HEMIST and DRUGGIST MAY 1, 1943

The
HEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

ished 1859 28 Essex Street, Strand, London, W.C.2 Registered as a Newspaper

3299
XXXIX MAY 1, 1943 Annual Subscription (with Diary) 25/-. Single Copies 6d.

Meggeson

MEGGESON
BISMUTH DISPEPSIA
TABLETS

CF

e Nation wide advertising for Meggeson Bismuth
yspepsia Tablets is now in progress. Supplies are
lequate. Ensure that your stocks are sufficient
r both display and demand.
ace your orders now.

GGESON & CO. LTD., LONDON., S.E.16
Established in the year 1796.

IMPORTANT ANNOUNCEMENT ON PAGE ix

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RETAIL PRICES

with Purchase Tax (where applicable)

of some important Parke-Davis Specialities

Size		Price EACH
25's	'Abidon' Capsules . .	4/–
25's	'Abidon' with Vitamin C Capsules . .	4/3
50's	Alophen Pills . .	2/6
Tube or jar	Analgesic Balm . .	1/8
,, ,,	Boroseptic Ointm't	1/1½
,, ,,	'Capsolin'	1/4½
1-oz.	Chloretone Inhalant	2/3
8-oz.	'Citralka' Liquid . .	3/4
25's	,, Tablets . .	3/4
4-oz.	Citronin	2/2½
16-oz.	,, ...	6/8
50's	'Desibyl' Capsules . .	5/–
4-oz.	Dicalcium Phosph'te	2/2½
16-oz.	,, ,,	6/8
36's	,, ,, Wafers	1/8
Tube or jar	Emollientine . .	1/8
Tube	Euthymol Tooth Paste	1/6
Sprinkler tin	Euthymol Tooth Powder	1/6½
10 c.c.	Gluco-Fedrin . .	1/11½
1-oz.	,, ,, ...	3/4
5 c.c.	Haliverol	3/–
50 c.c.	,, ...	24/–
25's	Haliverol Capsules	4/–
100's	,, ,, . .	13/6
8-oz.	Hydrated Magnesia	1/8
16-oz.	,, ,,	2/9½

Size		Price EACH
4-oz.	Hydrogen Peroxide	1/–
Tube	Inhalone	1/4½
1-lb.	Irradex	3/6
8-oz.	'Metatone'	3/11
16-oz.	,, ...	6/8
Tins	Mycozol Dusting Powder	2/2½
50 c.c.	Mycozol Liquid . .	2/2½
Tube or jar	Mycozol Ointment	2/2½
10 c.c.	'Nadola'	2/6
50 c.c.	,, ...	11/–
25's	,, Capsules . .	2/6
100's	,, ,, . .	8/–
100's	Naferon Capsules . .	7/3
Cake	'Neko' Soap . .	1/6½
Tube or jar	Shaving Cream, Parke-Davis . .	1/10
—	Shaving Stick, P.D. (Dermaseptic) . .	1/10
—	Shaving Stick, P.D., Refill	1/6½
4-oz.	Stimulating Embrocation	1/8
Tube or jar	Storaxol	1/8
15 c.c.	Tar Dermament . .	2/2½
50 c.c.	,, ,, . .	5/6½
50's	'Ventron' Capsules	8/11
Jars	'Vi-Siblin'	2/9½
100's	'Orygene' Tablets . .	3/1

The above prices are quoted without engagement and are subject to alteration without notification

Parke, Davis & Co., 50 Beak Street, London, W.

Inc. U.S.A., Liability Ltd.

Show 'Elasto'—It Sells on Sight!

It's advertised as a Chemist's Line

NE SHILLING AND SIXPENCE PROFIT ON EVERY SALE

ASTO' Advertising is Nation-wide and Consistent. An ever-increasing demand for this product is being created at your very door; a slight effort on your part will bring this new and profitable business to your ter. An 'Elasto' showcard displayed in your window will bring most gratifying results. You can recommend to' with confidence for: Varicose Veins, Bad Leg, Piles, Heart Troubles, Rheumatism, Bad Circulation, etc. blet Remedy. easy to handle and reliable.

NEW REDUCED PRICES:	**Retail Price 5/- per pkt.** * Including purchase tax.	**Wholesale 42/- per doz.** * Including purchase tax.

A FEW SHOW CARDS STILL AVAILABLE

PATA

he NEW ERA TREATMENT CO. LTD.

DEPT. R

CIL HOUSE, HOLBORN VIADUCT, LONDON, E.C.1

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For the best in

MODERN PHARMACY

CURIOSITIES OF ANCIENT PHARMACY

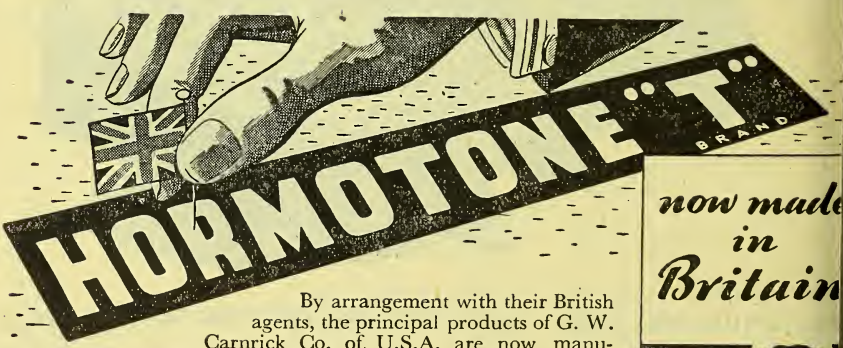
No. 22

Cure by Example!

"For headache take a vessel full of leaves of green rue, and a spoonful of mustard seed, rub together, add the white of an egg, a spoonful, that the salve may be thick. Smear with a feather on the side that is not sore."
From the Leech Book of Bald (Xth Century)

THORNTON & ROSS LIMITED
Manufacturing Chemists
LINTHWAITE · HUDDERSFIELD

T.R.11



now made in Britain

By arrangement with their British agents, the principal products of G. W. Carnrick Co. of U.S.A. are now manufactured in Britain.

Orders for "HORMOTONE" "T" Brand or any of the other products listed at side can be accepted for *immediate delivery from stock.*

Order through your usual wholesaler or direct from sole distributors. "HORMOTONE" "T" Brand in bottles of 40 tablets only "HORMOTONE" Brand in bottles of 100 and 500 tablets.

P.A.T.A.

G. W. CARNRICK CO.
Newark, New Jersey, U.S.A.

Also available from stock: HORMOTONE Brand, bottles of 100 & 500 tabs. HORMOTONE Brand without POST-PITUITARY, bottles of 100 tabs. TRYPSOGEN Brand, bottles of 100 and 500 tabs. TRYPSOGEN Brand (special-coated), bottles of 100 and 500 tabs. COLOPO Brand bottles of 40 tabs.

DISTRIBUTORS:
Brooks & Warburton, Ltd., 232 Vauxhall Bridge Road, S.W.1

VETERINARY **EVANS** PRODUCTS

FOR

Blackhead

OF TURKEYS

recommend

ARSAN and MALAGRIDE

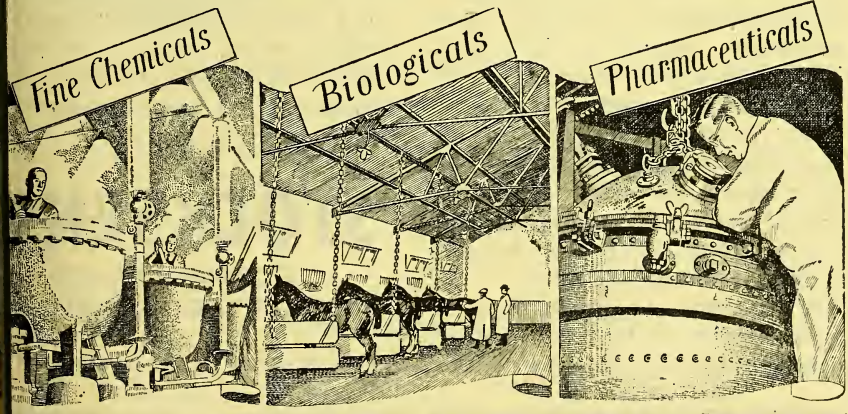
e necessity for using Marsan or Malagride immediately Blackhead is pected is being stressed in advertisements in journals read by turkey pers. The wise chemist will carry good stocks of the products to t the demand created.

RSAN solution should be used when-injection is considered practicable. . ampoules contain sufficient to inject lb. birds.

AMPOULES of 5 c.c.
il **3/-**. Wholesale **24/-** doz.
(Not subject to Purchase Tax).

MALAGRIDE tablets should be used for young birds where injection is found difficult. Dosage varies, with age of bird, from ½ tablet to 2 tablets daily for 4 days.

Retail (Inc. tax)	Wholesale (plus 16⅔%)
Bottles of 25, **4/6**.	**32/-** dozen.
Bottles of 100, **16/2**.	**116/-** dozen.



ANS SONS LESCHER & WEBB LTD.

The economical way to increase egg yields

Some of the most thorough tests of StockSense Concentrate Poultry Conditioner have recently been made by a number of scientific poultry-breeders, including such well-known experts as Mr. Alec McDougle of Preston and Dr. C. S. McEntire of Chelmsford.

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Because of its highly concentrat form, StockSense need only b administered in very small qua tities. The resultant increase egg yields is attained through th wholly *natural* process of promotin better health and condition in th birds. Retail prices: packets 7½ and 1/6; drums 4/–.

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CONCENTRATE

POULTRY CONDITIONE

BOB MARTIN LTD., SOUTHPORT, LANC

P.A.T.

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FOR
LABELS
CARTONS
ENVELOPES
AND EVERY DESCRIPTION
of
MEDICAL PRINTING
Write to
ALF. HARRISON & SONS, LTD.
THE CHEMISTS' PRINTERS
BURLEY ROAD
LEEDS, 4

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The Natural Calcium Compound

'Calfos,' which is derived from natural sources, supplies calcium and phosphorus in a palatable, concentrated form which ensures absorption in the correct physiological ratio.

Widely advertised to the medical profession

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IMPERIAL HOUSE,
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	Face Price Exclusive of Tax	TRADE PRICE per dozen	Purchase Tax per dozen	Minimum Retail Price including Pur. Tax
Box of 50 tablets	2/6	20/-	3/4	2/9½
Box of 120 tablets	4/9	38/-	6/4	5/3½

Special terms are available for hospital packs

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Disinfectants

to Hospitals, Public Institutions, Local Councils, &c

REMEMBER that

BURT, BOULTON & HAYWOOD LTD. Managers of

the PRINCE REGENT TAR COMPANY, LTD

give you special terms.

Carbolic Disinfecting Fluids containing 10% to 80% Tar Acids.

White Disinfecting Fluids—miscible in salt, fresh or brackish water, Co-efficients 18/20, 22/24.

Lysol B.P. Quality.

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Carbolic Disinfecting Fluids, Rideal Walker Co-efficients 2 to 20.

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Formaldehyde (Formalin) 40% Solution.

Carbolic Weed Killer, etc.

Tar Acids and Rideal Walker Co-efficiency guaranteed. May be sold by Chemists and Druggists under own name.

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(Managers: BURT, BOULTON & HAYWOOD, LTD.)

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The Sign of Reliability

The Name the public associates with Quality after 32 years of trial

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UNITED CHEMISTS ASSOCIATION LIMITED
UCAL WORKS, CHELTENHAM

Now you can get ODOL again!

We are glad to announce that we are again in production. Supplies of

ODOL TOOTH-PASTE in 1/- sizes
ODOL SOLID DENTIFRICE in 7½d. sizes
ODOL TOOTH-POWDER in 6d. and 10½d. sizes
ODOL DENTURE POWDER in 6d. and 10½d. sizes

are available for immediate delivery direct or through your usual supplier.

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Keep the winning

Odol

Smile!

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'SUPER SHAVE' for Super Sales

and for the perfect BRUSHLESS shave with after-shaving freshness!

Your customers will soon be asking for this aristocrat of brushless shaving creams. Are you ready to meet the inevitable demand now being created by powerful national advertising for SUPER SHAVE?

Retailing at 1/10d. for a jar lasting 4 months, SUPER SHAVE represents SUPER VALUE plus QUALITY that merits your confident recommendation. Stock up NOW for steady satisfactory sales.

BRUSHLESS
SUPER SHAVE
SOAPLESS

RETAILS AT 1/10 *Extra Large* **JAR**
Trade 12/- doz. plus Pur.Tax

Send your Orders NOW to:—

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Trust

REGD TRADE MARK

COMPLEXION POWDER

4/- and 1/4 INCLUDING TAX

Lipstick Refills 2/8

Packed in powder-proof bags or boxes in 6 shades. Your orders for this nationally advertised Powder can be executed promptly.

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All inquiries to—

ANDERSON & REEVES LTD.

57-161 REGENT STREET, W.1 **Regent 1965-6-7**

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PILENTA TOILET SOAP.

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This de luxe Soap has always held a high place in the regard of the discriminating.
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Prices: WHOLESALE, **32/-** per dozen, plus 5/4 tax. RETAIL **4/5½d.**

(Both on the P.A.T.A. List)

It would be wise not to delay in placing your order.

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Hellidon House, Hellidon, Nr. Daventry, Northants

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THE NEW BETTER TYPE FIXATIVE

"Squeezed from a tube"

HOLDS FIRMER AND THREE TIMES LONGER THAN ORDINARY FIXATIVES

Price 7½d and 1/3

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★ *Build Goodwill*
★ *Maintain your Sales*
★ *Protect your Profits*

Send stamp for details

BRICCAS LIMITED

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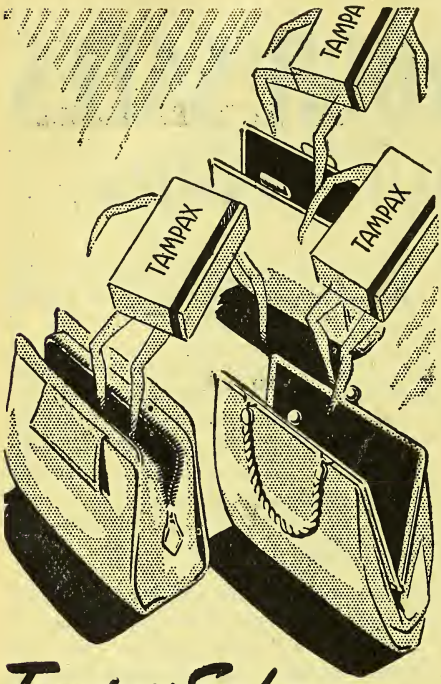
Telephone: LANGHAM 1183



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Personal recommendations and consistent advertising are bringing new business for Tampax every week. And new Tampax business means two things—both acceptable to the dealer in these days. Every sale starts a steady *repeat* demand. And every customer who comes in for Tampax usually goes out with other purchases as well!

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(P.A.T.A. PRICES)

Pkts. of 3. Wholesale 5/3 doz. Retail 7d. pkt.
" " 10. " 15/9 " " 1/9 "

Manufactured in England by
Tampax Limited, *Belvue Road, Northolt, Middx.*

Sole Distributors SPLENDOR LTD., 5 Beastmarket Hill, Nottingham, & 7c Lower Belgrave Street, London, S.W.1

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"MATER"
CLINICAL REGD.
The position of the Mercury column is at once perfectly plain. Red markings above 99.4.

ALL TYPES OF CLINICAL
AND OTHER
THERMOMETERS

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ELASTIC HOSIERY
SEAMED AND SEAMLESS

For special garments to measure we give the best possible service

SURGICAL BELTS TRUSSES AND SUNDRIES

50 years' service of everything Surgical

SURGICAL HOSIERY CO. LTD.
Russell Street - NOTTINGHAM
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ion has become! A fight on the part
very worker to *keep on his feet*. Many
ories are setting up chiropodial clinics.
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oll Depots. But there are many workers
haven't the time to go in for long
tment. They need quick, sure comfort
heir aches and pains.

Do a real service to the community!
olay Scholl Foot Aids prominently—so
they will catch the attention of home-
g workers, and encourage them to come
nd get proper relief!

During the next fortnight we can supply
with limited quantities of the Scholl
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LEATHER HEEL LINERS

ZINO PADS

TARSO PADS

FELT PADS

BUNION REDUCER

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BUNION LOTION

TOE-FLEX

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oll Mfg. Co. Ltd. 182-204 St. John St. London, E.C.1

"ANGLIAN" CF "NORVEX"
SURGICAL DRESSINGS SANITARY TOWEL
Write CROSSKILLS' of NORWICH PHON 209
EXTENSIVE STOCKS :: PROMPT SERVIC

"MARIE" LOOP-ENDS SANITARY TOWEL
De Luxe. Retail 1/9. 14/10 per gross carriage paid. Packed in units of 6 dozen and 1 gross
TWO NEW PACKS . . . "MARIE" SANITARY TOWELS
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SPECIAL QUANTITY TERMS ON APPLICATION. Cash with Order. Carriage p
JASON & STUART PRODUCTS LTD.
PLANE STREET MILLS, OLDHAM, LANCS.

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HIGH GRADE LONG OVERALL COATS
Men's. White or Khaki at 13/9, 15/-
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Opposite Aldgate East Station

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. . . Parliamentary debate on Venereal Disease Control reported Daily Telegraph, Dec. 16, 1942
Our Chemist Customers share in this Control by serving the public with the finest protectives "SELKA"
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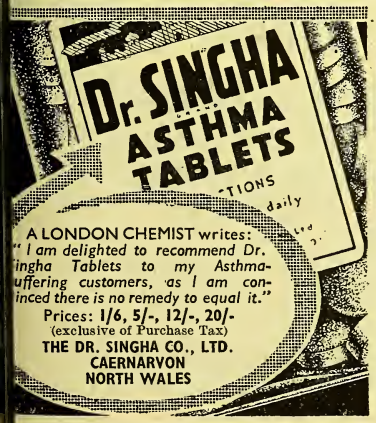

A LONDON CHEMIST writes:
" I am delighted to recommend Dr. ingha Tablets to my Asthma-uffering customers, as I am con-inced there is no remedy to equal it."
Prices: 1/6, 5/-, 12/-, 20/-
(exclusive of Purchase Tax)
THE DR. SINGHA CO., LTD.
CAERNARVON
NORTH WALES

LOSALL'S SALT

8-oz. tins
NEW RETAIL
2/6
SELLING PRICE
(including tax)

A
LIMITED SUPPLY ONLY
of 4-oz tins
RETAIL
1/3
(Inclusive of tax)

WHOLESALE PRICE
9/3 & 18/6 doz.

LOFTHOUSE & SALTMER
LIMITED HULL

Don't run out of

CURICONES

before re-ordering

Your wholesaler is very short of staff and cannot attend to orders as promptly as previously.

Remember he is as short-handed as you.

NOW only 2 sizes

CURICONES

Small Size **5/-** Large Size **24/-**

P.A.T.A. line showing 33⅓% profit

ORDER THROUGH YOUR USUAL WHOLESALER

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19-21 Farringdon Street, London, E.C.4

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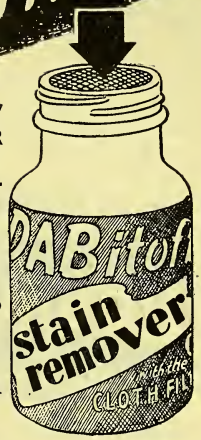

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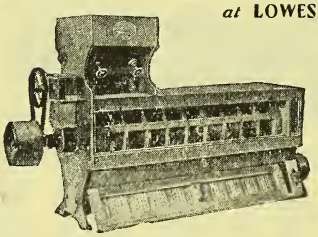

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NEWS OF THE WEEK

ntrol of Starch and Dextrin.—In order ake the most effective use of the starch dextrin available in the United King- it has been found necessary to extend existing control over these products. ill now the control covered the sale purchase of all starches and dextrins, the use of only certain starches and ins. In future control will extend to se of all of them, except for defined stic purposes. Traders will be required eep records of usage in addition to ds of dealings, except when the goods used for domestic purposes. The ster of Food has therefore made a Order—the Starch and Dextrin trol) Order, 1943—which replaces the ing Control Order, S. R. & O., 1941, 1991, as amended by S. R. & O., No. 788. The new Order covers, in ion to the dextrins named in the old rs, the substance known as "Thin ng Starch," and includes arrowroot in the definition of "starch." Under the new Order there is a statutory obligation on traders to keep records of uses (other than domestic) of starches and dextrins and on holders of licences and authorisations under the Order to comply with the terms of them. The new Order came into force on April 25.

Petroleum Products in Toilet Preparations.—A general licence (S. R. & O., 1943, No. 575, price 1d.), dealing with the use of petroleum products in the manufacture of controlled goods, has been issued by the Board of Trade under the Toilet Preparations Order, 1942. Hairdressers who made toilet preparations before October 1, 1941, and are not registered in Part 1 of the Toilet Preparations Register, may now make up for use in their saloons only small quantities of liquid petroleum products which were purchased before January 1, 1943. This concession refers only to stocks of liquid petroleum products not exceeding

five gallons. Individual licences must still be obtained in respect of such stocks when they exceed five gallons and in respect of all stocks of petroleum jelly; applications should be made to the Assistant Secretary, Industries and Manufactures, 4, Board of Trade, Millbank, London, S.W.1, stating the amount of stock to be licensed.

Statutory Committee Inquiries. — The Statutory Committee of the Pharmaceutical Society of Great Britain sat at 17 Bloomsbury Square, London, W.C.1, on April 21 and 22, for the purpose of ascertaining the facts concerning convictions of certain members for breaches of war-time regulations and determining whether they had been guilty of such misconduct as might, in the opinion of the Committee, render them unfit to be on the Register. The chairman (Mr. G. R. Hill) presided and the Court included Mr. F. W. M. Bennett, a new member. In each case the hearing was completed and judgment deferred.

Torquay Branch Officers.—The annual meeting of the Torquay Branch of the Pharmaceutical Society was held on April 1, when the following officers were elected: *Chairman*, Mr. E. J. Bowerman; *Vice-chairman*, Mr. J. C. Jessop; *Treasurer*, Mr. W. S. Wyatt; *Secretary*, Mr. H. T. Franks, Hampton Pharmacy, St. Marychurch, Torquay. It was decided not to proceed with the formation of a Corps of Pharmacists owing to unexpected difficulties, but arrangements were to be made, in conjunction with existing organisations, for the specialised training for pharmacists. THE CHAIRMAN made an appeal on behalf of the Society's Benevolent Fund, and a special collection was made at the close of the meeting.

Fluorescence Demonstration at Plymouth. —Mr. V. Smith (principal of the department of pharmacy, Plymouth Technical College) addressed the Plymouth Branch of the Pharmaceutical Society, recently, on "Pharmaceutical and Industrial Applications of Fluorescence in Ultra-violet Light." The chairman was Mr. W. F. F. Eustace. Tracing the development of his subject from Descartes, Newton and Herschel, the lecturer gave practical demonstrations, including the testing for adulteration and for the purity of chemicals, drugs, jams, pulps and milk, and present-day application to the sterilisation of large quantities of water, etc. A vote of thanks was proposed by MR. A. G. MADGE and seconded by MR. D. YEATES. The Branch invites serving pharmacists who may be in the district to attend its meetings, a list of which may b obtained from any Plymouth pharmacis or from the branch secretary (Mr. A. (Madge, Morwell, Pomphlett Villas, Pon phlett).

Ammoniated Quinine Prosecution.—A Sittingbourne, recently, E. E. Kingsnortl grocer, was summoned for selling ammon ated tincture of quinine 86·6 deficient i ammonia. In defence, it was pleaded tha the tincture was sold exactly as supplie The summons was dismissed.

Engineers Want Night Pharmacists.—I a letter to the Secretary for Scotlan urging better medical service at night i Glasgow, the Amalgamated Engineerir Union has included a recommendation tha one chemist's shop in each area shoul remain open for night business.

D.D.A. Prosecution.—At Aldridge, Wa sall, Police Court, recently, W. W. McCu lough, M.B., Ch.B., was summoned fc breaches of the Dangerous Drugs Regul tions. He pleaded guilty to failing to ent in his register various purchases of mo phine. A fine of £10 on each of six sun monses was imposed.

Glasgow Branch Officers.—At the annu meeting of the Glasgow and South-weste Scottish Branch of the Pharmaceutic Society, held recently (see *C. & D.*, Apr 10, p. 365), Mr. David Gemmell presiden in the chair, the following office-beare were elected: *President*, Mr. D. Gemmel *Vice-president*, Mr. A. Officer; *Secreta and Treasurer*, Mr. R. McAdam, 10 Dumbarton Road, Glasgow, W.4, wit remuneration at £40; *Librarian*, Mr. Newton; *Committee:* Messrs. H. Alliso E. J. B. Allison, J. Archibald, C. A. Buic C. Campbell, W. S. Culbert, G. Dick, Hughan, R. McCrone, G. R. Milne, W. Moffat, S. G. Home, A. B. Gilmour, J. Todd, Miss Paul and Miss Suttie; *Auditor* Messrs. W. Wood Wilson and W. Peebl *Conference Delegates:* Messrs. Office McAdam, C. Campbell, and Gilmour, ar Miss Suttie. Discussion thereafter toc place on the Council's statement regardi professional conduct, to which sever alterations were proposed. It was pointe out by MR. GUTHRIE that observance w not obligatory, but was expected, and th the Statutory Committee took any breac into consideration in certain circumstance MR. A. B. GILMOUR moved that the Branc was of opinion that the North Briti Executive should obtain representation any negotiations that would take place abo

e comprehensive medical scheme pro-sed in the Beveridge Report, and should ke all necessary steps to secure that all spensing should be undertaken by, or der the supervision of, qualified chemists. e resolution was unanimously approved, d it was decided also to remit to the mmittee a suggestion by MR. MCADAM at chemists in some areas might care to dopt" a chemist with the Forces as part the post-war rehabilitation scheme put ward recently to the Branch. MR. A. B. LMOUR made an appeal for increased erality to the Benevolent Fund.

Applications for Licence.—Mr. Archibald ok, 222 Glasgow Road, Blantyre, Lanark-ire, has applied for a licence under the cation of Retail Businesses Order, thorising him to carry on business as a ailer of drugs, medicines, toilet goods and eparations, perfumery, etc., at 67 Glasgow ad, Burnbank, Lanarkshire.—Mr. Harold yd Thomas, M.P.S., has applied to the rth-western Price Regulation Committee a licence to carry on retail business as pharmacist at 5 Coronation Drive, omborough.

Derby Attack on Central War Committee. The attitude adopted by the Central armaceutical War Committee was criti-ed at a meeting of the Derbyshire surance Committee recently. Mr. R. L. ack (an approved society representative) d the Local Joint Committee strongly jected to interference by the Central mmittee with the local committee's cisions concerning deferment of the ling-up of pharmacists and dispensers. e Local Committee knew the circum-nces better than the Central Committee, ich should have laid down standards of ocedure at the outset instead of waiting a late stage. Another member declared was a waste of time for the Local Com-ttee to review cases only for their recom-ndations to be set aside. Objection was ken to the standards as being too strin-nt. It was also held that private pres-ptions should not be reckoned in the ne ratio as National Health Insurance escriptions, and that if the standards re rigidly adhered to there should be a ol of pharmacists to draw upon to fill cancies caused by the withdrawal of unger pharmacists.

Eire Benevolent Fund Delegation.—The nevolent Fund Dance Committee has pointed Messrs. C. Collis (chairman), Murphy (secretary), T. B. O'Sullivan (treasurer), G. C. O'Neill, and P. McAuliffe to meet the subcommittee appointed by the Council of the Pharmaceutical Society of Ireland to consider whether any improvements can be made in the administration of the Fund.

Eire Cosmetic Shortage.—The shortage of cosmetic supplies is only now beginning to be felt in Eire. While no American or French cosmetics have come into the country for several years past, and only restricted supplies from Britain, the home manufacturers have hitherto maintained supplies very well. But even from the home manufacturers various items are running out, and varieties of powders and lipsticks are becoming more limited. Hair dyes and tinting preparations are reported scarce, while such commodities as eye shadow and mascara, setting lotions and shampoos are not plentiful.

Irish Chemists' Golf.—Under ideal weather conditions the Irish Chemists' Golfing Society held its first outing of 1943 at the Hermitage Golf Club, Lucan, co. Dublin, on April 11. The competitions were played for prizes presented by St. Dalmas (Ireland), Ltd.; Coty, Ltd.; and Allen & Hanburys, Ltd. In the forenoon there was an eighteen-holes strokes contest, in which the winners were: A. W. Hughes (19), 69; J. Daly (19), 70; M. Leonard (24), 71. Cup winner: E. MacManus. In the afternoon a nine-hole bogey competition was held, in which the winners were P. McAuliffe (16), three up, and Joseph Smyth (15), two up. Later, at the club-house, the prizes were presented by Mr. J. F. O'Hara (captain), who extended a welcome to members, and especially new members. It was one of the best attended inaugural meetings they had had for several years, and was marked by keen competition and good scores. Thanks to the donors of the prizes was voted by Mr. McAuliffe, seconded by Mr. J. Smyth, and Mr. Hughes replied. Mr. M. Costelloe moved and Mr. W. R. Such seconded a vote of thanks to the Hermitage Club, and this was responded to by Mr. Meacher (secretary). The next outing of the Society will be the three-day annual tournament at Greenore, co. Louth, on May 23, 24 and 25.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to war conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the *C. & D.*, 17 Argyle Street, Bath, Somerset.

TOPICAL REFLECTIONS

Dr. Brighton's Diagnosis

Thackeray would not have objected, I trust, to the use of his "Dr. Brighton" in a new sense. All serious discussion of serious topics is welcome; and when it has been recorded that the Brighton 1942 Committee, to which you have allotted a helpful editorial article (p. 427), has selected a title that strikes one as colourless, the ground is clear for an estimate of a careful study. In pharmacy we do not ask for supermen, nor for the patronage of the distinguished: thus the fact that the origin and procedure of the Brighton Committee are at present involved in some obscurity is an advantage rather than a drawback. What has the Committee to tell us about present conditions in pharmacy? Chiefly that most of the establishments where medicaments are prepared have "insufficient staff and equipment to give the public the maximum services which modern medical science demands." The "more important" causes of this deficiency are summarised in four paragraphs. One cause noted is the mass production of remedies, with associated propaganda, leading to the prescribing of proprietary medicines "which frequently have no relation to the requirements of the individual patient." Propaganda is closely connected with salesmanship. This is a point worth the consideration of those concerned. The Committee might have gone further in the same or a parallel direction by calling attention to the undesirability of prescribing stock mixtures: these, too, may or may not coincide with the requirements of individual patients. Another cause noted is "the lack of recognition of pharmacy as an integral part of medical science." That ignoring still persists.

And Prescription

The Committee has grasped the essential truth that, whatever changes in the practice of pharmacy may be in prospect, pharmacy should be represented at their initiation "and not left to accept changes or attempt to influence them from the outside." Any attempt to influence changes already embodied in an Act of Parliament would be likely to prove a "ploughing of the sand." The Committee suggests that a pharmaceutical section of the Ministry of Health, directly responsible to the Minister, should be formed, with a similar body in the Department of Health for Scotland. Some uphill work would probably be necessary before this could be accomplished but the suggestion seems to me entirely appropriate. As to the expediency of the immediate formation of local, regional and national councils of medical services, with representation of pharmacy on each, this matter could be raised with the Ministry of Health and the corresponding Scottish Department by the proposed pharmaceutical sections. Another point inviting discussion is the Committee's classification of places where in the future pharmacy is likely to be practised. One would wish to know the line of demarcation between health centres and pharmacies: if the proposed centres are to be something more than first-aid posts so far as supplies of medicine are concerned, it is obvious that dispensing in pharmacies will be materially lessened.

"Leviathan"

Two items in your "American Notes" on p. 418 indicate that official control in the United States is effecting marked changes in commercial and professional life in that country. Not having full facts at hand, I do not attempt to comment on the inhibition of a manufacturing house from certain types of advertising. The other item shows that the placing of dispensing under a maximum price order has occasioned a resolution by the American Pharmaceutical Association expressing its "unalterable opposition" to this "ceiling" on professional services. The fact that a public official attended the Association's annual meeting and spoke in defence of the order is of considerable interest. In this country the appearances of high officials at pharmaceutical gatherings have usually been limited to social occasions. Perhaps it is as well. This kind of trouble takes us back to the seventeenth century, when a hammer-and-tongs controversy on the nature and functions of the State almost overshadowed other events, however grave. In one of the most influential books ever written, the "Leviathan" of Hobbes, the relation of the individual citizen to his rulers, personified as Leviathan, was explored with extraordinary insight. The main drawback to Hobbes's trenchant exposition was that according to his theory the individual might be crushed, provided that the State suffered no detriment. The address of the retiring president of the Association indicates the emergence of a similar problem in the United States.

Xrayser

TRADE NOTES

'in for Medicinal Purposes.—Pure white nnic oxide and powdered tin metal for licinal purposes are offered by Keeling Walker, Ltd., Stoke-on-Trent.

anitary Towels from Available Supplies. tocks of Linta sanitary towels, made n first-quality materials in standard s, are available from the sole wholesale tributors, Pursers, Ltd., Thame, Oxon.

rofitable Proprietary.—Harley's Three ts is available from the makers, Thomas rley, Ltd., Perth, on terms that make a profitable item for chemists. Terms y be had on application to the manuturers.

reatment of Dermatitis.—We published the issue of March 20 (p. 304) a short icle on "Unsaturated Fatty Acids and rmatitis," by S. H. Palin, M.P.S., of ithon Laboratories, Ltd., 88 Upper hmond Road, London, S.W.15, whose duct Esoban (ointment, capsules and ulsion) is based on this article.

pring-cleaning Publicity.—A campaign being conducted in the National Press Chemical & Natural Products, Ltd., mbledon Factory Estate, London, S.W. to popularise the use of Scrubbs' cloudy monia during spring-cleaning operations. table advertising for this product conues throughout all the months of the r.

estosterone Propionate.—A leaflet is ilable from Boots Pure Drug Co., Ltd., ttingham, on testosterone propionate—ts, the propionic ester of the male sex mone testosterone, supplied as a solution oil for intramuscular injection. This paration is supplied in ampoules conning 5 mgm., 10 mgm., and 25 mgm. in kes of six, six and three respectively.

Sulphathiazole Preparations.—For the atment of impetigo and other cutaneous nditions, Ciba, Ltd., Horsham, Sussex, ve introduced Cibazol ointment, conning 5 per cent. sulphathiazole Ciba. e same makers also offer ampoules conning solution of sodium sulphathiazole uivalent to 1 gm. Cibazol in each for renteral administration in comatose or miting patients. Further details are ren in a leaflet issued by the makers.

Business Changes

John Wyeth & Bro., Ltd., are removing May 3 to Clifton House, Euston Road, ndon, N.W.1.

Mr. A. J. Boyle, M.P.S.I., Athenry, co. Galway, has acquired the pharmaceutical business of Mr. Vincent Carney, Ph.C., 143 Capel Street, Dublin.

Mr. S. J. Vincent Carney, Ph.C., has returned to Maynooth to carry on the pharmacy of his father (the late Mr. Valentine Carney, M.P.S.I.) at Maynooth, co. Kildare.

COMPANY NEWS

H. Woodhead, Ltd. (P.C.)—Capital £1,000. Chemists, druggists, etc. Herbert Woodhead, M.P.S., and Frederick W. Edwards, M.P.S., directors. R.O.: 28 Kennedy Street, Manchester, 2.

Stewart's Proprietaries, Ltd. (P.C.).—Capital £100. Manufacturing, dispensing and analytical chemists and druggists, etc. William S. Shepherd, director. R.O.: 168 Regent Street, London, S.W.1.

Eureka Dental Manufacturing Co., Ltd. (P.C.).—Capital £1,000. Dental, chiropody, manicure and surgical instrument makers, etc. J. Titmas and A. H. Dufall, directors. R.O.: 41 Windmill Street, London, W.1.

Moore's (Sheffield), Ltd. (P.C.).—Capital £5,000. Manufacturers of and dealers in chemicals, disinfectants, toilet requisites, etc. Reginald V. and Beatrice M. Moore, directors. R.O.: 8–10 Granville Street, Sheffield, 2.

Sutell Wholesale Manufacturing Co., Ltd. (P.C.).—Capital £500. To carry on business as manufacturers of and dealers in pharmaceutical products, patent medicines, foods, disinfectants, etc. Richard T. Elliott, M.P.S. and George H. Sutton, directors. R.O.: The Pharmacy, Church Street, Darton, nr. Barnsley.

Pest Control, Ltd. (P.C.).—Registered in Dublin. Capital £2,000. Pest, rodent, bacteria, fungi and germ-control specialists, manufacturers of and dealers in pest, rodent, bacteria, fungi and germ-control preparations and apparatus, chemicals, drugs, poisons, etc. Directors not named. Arthur P. Blake, 88 Wilfield Road, Ballsbridge, Dublin, subscriber.

Voluntary Liquidation.—Meetings of members and creditors of Agfa Photo, Ltd., will be held at 11 Ironmonger Lane, London, E.C.2, at 12 noon and 12.15 p.m. on May 4 to receive an account of the winding-up of the company.

PROPRIETARY ARTICLES TRADE ASSOCIATION

Additions to Protected List.—*Glaxo Laboratories, Ltd.* Manufacturers plan to market on May 1, Plexan, in 6 × 2-c.c. ampoules, 6s. 8d., 60s. doz.; 12-c.c. phials, 5s. 4d., 48s. doz.; exempt from tax.

Alterations.—*Numol, Ltd.* Numol, 2s. 6d., 22s. 6d.' doz.; exempt from tax. Proctor's Pinelyptus pastilles, 1s. 5¾d., 13s. 6d. doz.; tax 2s. 3d. doz., inclusive retail price, 1s. 8d.

Herts Pharmaceuticals, Ltd. Nivea skin oil and Pebeco tooth-paste temporarily discontinued.

International Chemical Co., Ltd. Lavona hair tonic temporarily discontinued.

Oatine Preparations. All 6d. sizes temporarily discontinued; Tintona, two larger sizes temporarily discontinued.

Tattoo, Ltd. Tattoo cream mascara temporarily discontinued.

Deletions.—*The British Drug Houses, Ltd.* Beach sun-tan lotion, Beach sun-tan cream, Otango cream.

Chesebrough Manufacturing Co., Ltd. Vaseline pomade No. 1½ M.C. (not Blue Seal).

Stemco, Ltd. Nujol, 100-oz. (hospital size).

Purchase Tax at 100 per cent.

Members of the P.A.T.A. are asked to note the following prices based on purchase tax at 100 per cent. under the recent Budget changes. The figures given are wholesale price (per doz. unless otherwise stated), purchase tax (per doz. unless otherwise stated), and inclusive retail price, in that order:—

Herts Pharmaceuticals, Ltd., Nivea Creme, tube, No. 365, 10s., 10s., 2s. 1d.; tin, No. 362, 4s., 4s., 10d.; No. 368, 8s., 8s., 1s. 8d.; No. 363, 14s., 14s., 2s. 11d.; glass jar, No. 380, 14s., 14s., 2s. 11d. Manufacturers state these are the only packs they can supply until further notice.

The Chas. H. Phillips Chemical Co., Ltd., Phillips' magnesia texture cream, 4s. 3d., 4s. 3d., 10½d.; 13s. 6d., 13s. 6d., 2s. 7½d.; 27s., 27s., 5s. 3d.; cleansing cream, 4s. 3d., 4s. 3d., 10½d.; 13s. 6d., 13s. 6d., 2s. 7½d.; 27s., 27s., 5s. 3d.; Danderine, 12s., 12s., 2s. 3d.; 24s., 24s., 4s. 6d.; 40s., 40s., 7s. 10d.

J. Touzeau Saunders Preparations (c/o *Butler & Crispe*, 80–84 Clerkenwell Road, London, E.C.1), Bloom of Ninon, boxes, 4s., 4s., 10d.; 8s., 8s., 1s. 8d.; 20s., 20s., 4s. 2d.; Bloom of Roses, 6s. 3d., 6s. 3d., 1s. 3½d.; 10s. 6d., 10s. 6d.; 2s. 1½d.; Guard's hair dye, 24s., 24s., 4s. 9d.; 28s., 28s., 5s. 10d.; 48s., 48s., 9s. 6d.; Ninona cold cream in jars, 6s. 3d., 6s. 3d., 1s. 3½d.; three doz., 6s.; in tins, 17s. 9d., 17s. 9d., 3s. 6d.; Nursery powder, sprinkler tins, 6s., 6s., 1s. 3d.; Oriental depilatory, 16s., 16s., 3s. 4d.

Henry Tetlow Co., Ltd., Swandown powder, 4s. 3d., 4s. 3d., 10d.; 8s., 8s., 1s. 8d.; foundation and cleansing creams, 10s., 10s., 2s. 1d.; 16s., 3s. 4d.; lipstick, refills, 12s., 12s., 2s.

Stemco, Ltd., Daggett & Ramsdell prep tions: Cold cream, tubes, 4s., 4s., 10d.; 8s., 1s. 8d.; 20s., 20s., 4s. 2d.; jars, 10s., 2s. 1d.; 20s., 20s., 4s. 2d.; 34s., 34s., 7s. 56s., 56s., 11s. 8d.; vanishing cream, tu 4s., 4s., 10d.; 8s., 8s., 1s. 8d.; jars, 10s., 2s. 1d.; 20s., 20s., 4s. 2d.; skin tonic, bot 12s., 12s., 2s. 6d.; 20s., 20s., 4s. 2d.

Anglo-American Drug Co., Ltd., Mex hair renewer, 31s. 6d., 31s. 6d., 6s. 1½d.

Anzora Perfumery Co., Ltd., Anzora cr or Viola, 10s., 10s., 2s. 1d.; 18s., 18s., 3s. emergency pack, 8s. 6d., 8s. 6d., 1s. 9½d.

Beetham, M., & Sons, Beetham's Lait Lar 14s. 3d., 14s. 3d., 2s. 8d.; 24s., 24s., 4s. Rose Bloom, 9s., 9s., 1s. 9d.; 23s., 23s., 4s. Larola hair grower, 24s., 24s., 4s. 6d.; 44s., 8s. 2d.; hair wash, 20s., 20s., 3s. 8d.; Bloom, 24s., 24s., 4s. 6d.; glycerin and cuc ber, 10s., 10s., 1s. 10d.; 17s. 6d., 17s. 3s. 2½d.; 24s., 24s., 4s. 6d.

John Bell, Hills & Lucas, Ltd., Lotil sun lotion, 8s., 8s., 1s. 11d.; 13s. 3d., 13s. 3d., 3s.

John Hart Brittain, Ltd., Kotalko, 45s., 4 8s. 9d.; 112s. 6d., 112s. 6d., 21s. 10½d.

Thos. Christy & Co., Ltd., lanoline (in ja 8s. 3d., 8s. 3d., 1s. 11½d.

F. Coutts & Sons, Coutts' hair tonic, 2 27s., 5s. 3d.

Crystal Products Co., Ltd., lipstick, 6s., 1s. 2d.; refill, 4s. 6d., 4s. 6d., 10½d.; o preparations, 4s. 6d., 4s. 6d., 10½d.; cosmeti (with brush), 6s., 6s., 1s. 2d.; Gala preparati 27s., 27s., 5s. 3d.; lipstick refill, 15s., 1 2s. 11d.; Junior preparations, 15s., 15s., 2s. 1

The D.D.D. Co., Ltd., D.D.D. vanish cream, cold cream, or talcum powder, 13s. 13s. 6d., 2s. 7½d.

Icilma Co., Ltd., 54s. gross, 52s. 8d. gr 10½d.; 132s. gross, 128s. 8d. gross, 2s. 2 174s. gross, 169s. 8d. gross, 2s. 10d.; 2 gross, 210s. 7d. gross, 3s. 6d. Purchase ta based on standard wholesale prices less 2½ cent. for cash thirty days.

Koko-Maricopas Co., Ltd., Koko for the h 13s. 6d., 13s. 6d., 2s. 7½d.; 27s., 27s., 5s. 3 49s. 6d., 49s. 6d., 9s. 7½d. (5s. 6d. size no lon available.)

Max Factor Hollywood & London (*Sales*), *L* Max Factor's face powder, lipstick or make foundation, 36s., 34s., 7s. 4d.; rouge, 20s., 1 4s. 1d. (Purchase tax is based on stand wholesale prices less 5 per cent. for cash wit seven days.)

Henry C. Miner, Ltd., sixpenny sizes, lines, 4s. 6d., 4s. 6d., 10½d.; Seam Stik, 3s., 7d.; Lipid, 6s. 9d., 6s. 9d., 1s. 4d.; 13s. 6 13s. 6d., 2s. 7½d.; liquid stockings, 13s. 6 13s. 6d., 2s. 7½d.

Oatine Preparations, Oatine cream, 14s. 5

5d., 2s. 8d.; 28s. 10d.; 28s. 10d.; 5s. 3½d.; 6d., 67s. 6d., 12s. 10d.; Snow, 12s., 12s., ½d.; powder base, 13s. 6d., 13s. 6d., 2s. 7d.; na, 12s., 12s., 2s. 6d. (6d. sizes of all temporarily discontinued.)

rke, Davis & Co., Dermalac, 12s., 12s., d.

naud, Ltd., No. 2690, Eau de Quinine, 23s., 4s. 9d.; 2702, 41s. 6d., 41s. 6d., ½d.; 2724, Eau de Portugal, 23s., 23s., 9d.; 2725, 41s. 6d., 41s. 6d., 8s. 7½d.; , Végétal Violette des Bois, 28s., 28s., 10d.; 2638, 46s., 46s., 9s. 7d.; 2630L, de France, 28s., 28s., 5s. 10d.; 2592L, 46s., 9s. 7d.; 13301, brilliantine Corbeille, ud, 11s. 6d., 11s. 6d., 2s. 4½d.; 13302, 6d., 18s. 6d., 3s. 10½d.; 13301B, brilliantine eille, Pinaud Préface, 18s. 6d., 18s. 6d., 10½d.; 13302B, 28s., 28s., 5s. 10d.; 700, made Hongroise, 5s. 9d., 5s. 9d., 1s. 2d.; Cosmétique in red paper, 7s., 7s., 1s. 5½d.; 13s. 6d., 13s. 6d., 2s. 9½d.; 1202, Cosque brilliantine, 11s. 6d., 11s. 6d., 2s. 4½d.; , 23s., 23s., 4s. 9d.; 1200, 32s., 32s., 6s. 8d.; Six-Twelve creamy mascara, 23s., 23s., 9d.; 20002B, Eau de Cologne Corbeille e, 11s. 6d., 11s. 6d., 2s. 4½d.; 20001B, , 23s., 4s. 9d.; 20002, 32s., 32s., 6s. 8d.; 3, 59s., 59s., 12s. 3d.; 20022B, Corbeille che, 11s. 6d., 11s. 6d., 2s. 4½d.; 20021B, , 23s., 4s. 9d.; 20022, 32s., 32s., 6s. 8d.; 3, 59s., 59s., 12s. 3d.; 22006, Lavande de nce, 11s. 6d., 11s. 6d., 2s. 4½d.; 22006B, , 23s., 4s. 9d.; 22008, 32s., 32s., 6s. 8d.; 9, 59s., 59s., 12s. 3d.; 50001, Préface inal luxury pack, 386s., 386s., 80s. 5d.; 48, fancy box, 138s., 138s., 28s. 9d.; 55043, ra fancy box, 138s., 138s., 28s. 9d.; 55008, e de Mai fancy box, 138s., 138s., 28s. 9d.; 0, assorted perfumes in box of twelve, , 23s., 4s. 9d.; 120, Set-up, 28s., 28s., 10d.; 50, Tonicream quinine tonic hair m, 13s. 6d., 13s. 6d., 2s. 9½d.

ond's Extract Co., Ltd., Pond's toilet ialities, 4s. 6d., 4s. 6d., 10½d.; 9s., 9s., 9d.; 11s. 3d., 11s. 3d., 2s. 2½d.; 22s. 6d., 6d., 4s. 4½d.

apidol, Ltd., Inecto Rapid, trial size, two tles, 30s., 30s, 6s.; Half case, four bottles, , 48s., 10s. 6d.

olport Bros., Ltd., Solapap anti-travel-sick- s belts, ladies' silk, 84s., 84s., 17s. 6d.; es' de luxe, 168s., 168s., 35s.

tewart, Goodall & Dunlop, Ltd., Nuctone, , 32s., 6s. 5d.; Concentre, 52s., 52s., 10d.; Eclaire Conc., 52s., 52s., 10s. 10d.; aire, 32s., 32s., 6s. 5d.; Instanter, 33s., 33s., 3d.; Nucta hair Gleam, 20s., 20s., 4s. 2d.

nternational Chemical Co., Ltd., Lavona tonic temporarily discontinued.

he British Drug Houses, Ltd., Eastern Foam, , 11s. 3d., 11s. 3d., 2s. 4d.; tubes, 4s. 6d., 6d., 11d.

hesebrough Manufacturing Co., Ltd., Vaseline phor Ice, 4s., 4s., 10d.

lark's Glycola Co., Ltd., Clark's Glycola, 2d., 3s. 2d., 7½d.; 4s. 9d., 4s. 9d., 11d.; 9s. 6d., 6d., 1s. 9½d.; 28s. 6d., 28s. 6d., 5s. 4½d.

Coty (England), Ltd., Coty toilet specialities now available: O46, friction lotion, 10s. 1d., 10s. 1d., 2s. 1d.; Fbis, rouge, 13s. 1d., 13s. 1d., 2s. 9d.; 94, cream rouge, 16s. 8d., 16s. 8d., 3s. 6d.; 058, face powder (war-time pack), 10s. 1d., 10s. 1d., 2s. 1d.; 058bis, (war-time pack refill), 9s. 3d., 9s. 3d., 1s. 11d.; 093bis, talcum powder (war-time square-card pack), 16s. 8d., 16s. 8d., 3s. 6d.; 091 (plain glass flasks), 20s. 8d., 20s. 8d., 4s. 4d.; 091bis, (wicker-type glass flask), 22s. 2d., 22s. 2d., 4s. 7d.; 038bis, Après le Bain (bath dusting powder), 31s. 10d., 31s. 10d., 6s. 8d.; 86bis, lipstick refill, Valiant, 12s. 6d., 12s. 6d., 2s. 7d.; 88bis, Continentale, 12s. 6d., 12s. 6d., 2s. 7d.; 85bis, Gitane, 9s. 9d., 9s. 9d., 2s.; 025GM, foundation cream, tubes, 20s. 8d., 20s. 8d., 4s. 4d.; 027N, jars, 20s. 8d., 20s. 8d., 4s. 4d.; 13 & 13bis, foundation lotion, 31s. 10d., 31s. 10d., 6s. 8d.; 028ter, hand lotion (2-oz. cylindrical bottle), 15s. 2d., 15s. 2d., 3s. 2d.; 075B, bath salts, 41s. 5d., 41s. 5d., 8s. 8d. Purchase tax on the following items is chargeable at 33⅓ per cent.: 48, Plus One brushless shaving cream, tubes, 13s. 1d., 4s. 4d., 2s.; 48bis, jars, 24s. 7d., 8s. 2d., 3s. 9d.; 14, Frescol, 24s. 7d., 8s. 2d., 3s. 9d.

Evan Williams Co., Ltd., Wave set, 4s., 4s., 10d.; brilliantine, 10s., 10s., 2s. 1d.; *henna and camomile, 9s., 7s., 1s. 9d.; *Tunisian henna shampoo, 13s., 10s. 11d., 2s. 6d.; special Tunisian, 2-oz., 24s., 24s., 5s. 6d.; 4-oz., 36s., 36s., 8s. 9d..

* (Purchase tax at 33⅓ per cent. on shampoo content and 100 per cent. on application content.)

G. W. Harrison, Ltd., Harrison's hair growth, 9s., 9s., 1s. 9d.; colour restorer, 18s., 18s., 3s. 6d.

Tattoo, Ltd., Tattoo lipstick, 36s., 36s., 7s. 6d.; refill, 24s., 24s., 5s.; 19s. 6d., 19s. 6d., 4s. 1½d.; refill, 12s., 12s., 2s. 6d.

S. R. Van Duzer & Son, Ltd., Mrs. S. A. Allen's World's hair restorer, 43s., 43s., 8s. 1d.; Bridal Bouquet Bloom, 23s., 23s., 4s. 5d.; Melrose favourite hair restorer, 22s., 22s., 4s. 4d.; 32s., 32s., 6s. 2d.

Economy in Paper.—As the consumption of new paper becomes less and less the need for collecting for salvage every scrap of used paper and cardboard of all descriptions becomes greater. The quantity salvaged each month must be maintained.

Drugs in Grocery Stores.—In California proprietary medicines sold under registered brand names may be sold by traders other than registered pharmacists. Grocers in the State recently applied to the State Board of Pharmacy for permission to sell absorbent cotton, adhesive plaster, cotton bandages, medicated corn plasters, aspirin tablets, boric acid, citrate of magnesia, Epsom salts, hydrogen peroxide, iodine, and mineral oil. Permission was refused except for absorbent cotton, adhesive plaster, cotton bandages, and medicated corn plasters.

HORTICULTURE FOR THE RETAIL CHEMIST

by Aphra P. Wilson, M.B.E., A.R.C.S.

(*Lenton House Experimental Grounds, Nottingham*)

IX.—Insect Pests—(Biting or Chewing)

INSECT pests and fungus diseases take a heavy toll of the nation's food. Their attacks are responsible not only for crop losses but also for much of the poor quality in the crops harvested. Poor-quality crops have a diminished food value and moreover they do not keep well. One of the biggest problems which faces the gardener is how to diagnose the causes of the various troubles on his crops. He seldom catches the actual pest red-handed but is usually confronted only by the remains of the feast in the shape of damaged plants. Fungus diseases are still more mysterious, the very minuteness of the fungi tending to make their entity even less tangible than that of the elusive pest. They seem to arise from nowhere, sometimes in epidemic proportions, and cause all manner of spots, blights and mildews to appear on the crops, often without any visible sign of the fungus itself. Actually, however, the type of damage done to the plants both by insects and fungi is diagnostically characteristic and it is much more simple than is generally realised to decide successfully from an examination of the damaged plants what type of pest or disease is involved and therefore the class of insecticide or fungicide required. It is proposed to give a short outline of the methods employed in thus diagnosing the chief plant pests and diseases together with some notes on the appropriate treatments. Insect pests will be dealt with first and fungus diseases will form the subject of a later article.

In practice, the term "Insect Pests" is taken to mean not only the true six-legged insects but also such non-insect pests as slugs, snails, millipedes, etc., in fact any small invertebrate member of the animal kingdom which attacks crops. Broadly speaking, there are two types of life cycle found among plant pests: A. Three-stage or incomplete metamorphosis. B. Four-stage or complete metamorphosis. The main characteristics of these life cycles are summarised in the following table:—

Animal group	A. Incomplete Metamorphosis (3-stage)	B. Complete Met morphosis (4-stag
Insect	*Egg: Nymph:* Resembles adult. Feeds on same food and in same places as adult. Rudiments of wings appear gradually. *Adult:* Fully winged. Capable of reproduction.	*Egg: Larva:* Di ent to adult in fo feeds on diffe food. Wingl *Pupa:* Immol does not feed. L changes into adu pupa case. *A* Fully winged, c ble of reproducti
Non-insect (wingless)	*Egg: Young:* Resembles adult. Feeds on same food as adult. *Adult:* Capable of reproduction.	

The three stages of an incompl metamorphosis in an insect are well sho in the life cycle of the Apple Capsid B (Fig. 1), while the gradual growth o

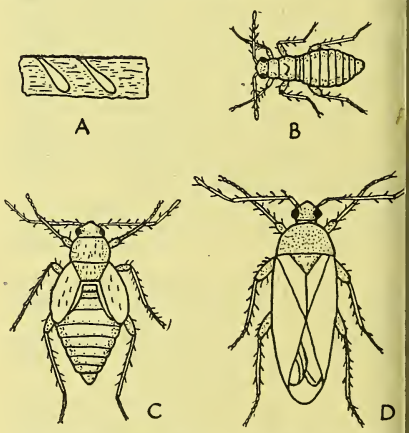
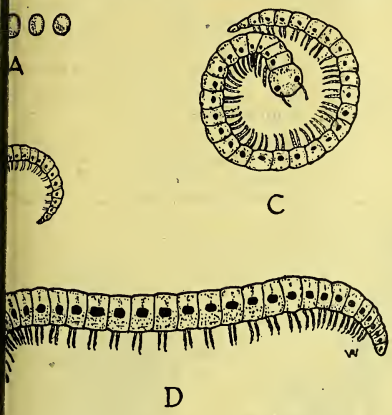


Fig. 1. Apple Capsid Bug. A. Eggs laid just under b B and C. Nymphs. D. Adult. (*After F. B. Theobal*

non-insect pest is typified by the vari stages in the life cycle of the spot millipede (Fig. 2).

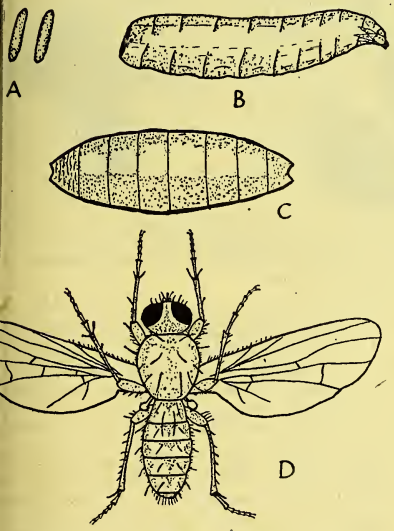
Some of the common true insect pe having a three-stage life cycle are earwi aphids, leaf hoppers, thrips, apple sucke scale insects, mealy bugs, white fly, f hopper (cuckoo spit), and all the plant bu Of the non-insect pests the most importa

slugs, snails, millipedes, woodlice, rm, red spider mite and gall mite.



g. 2. Red Spotted Millipede. A. Eggs. B and C. Young. D. Adult.

plete metamorphosis is familiar in the cycle of the onion fly (Fig. 3).



. 3. Onion Fly. A. Eggs. B. Maggot. C. Pupa. D. Adult.

sect pests having the four-stage life e belong to one of the following: Butter- moths, beetles, two-winged flies, saw- wasps, including the gall wasps. From gardener's point of view all these plant s can be divided into two groups according to the way they feed: (1) Chewing or biting pests; (2) sucking pests.

Chewing or Biting Pests

All pests possessing chewing teeth of some type belong to this group. Insects proper have only two teeth placed opposite one another on the sides of the mouth. The teeth of a plant pest are rather like mammalian molars in shape, admirably suited for chewing vegetation (Fig. 4, A and B). It should be noted that the beneficial biting insects, being carnivorous, have long fang-like flesh-tearing teeth which are often sufficiently conspicuous to make the insect identifiable as a "friend" on sight (Fig. 4,

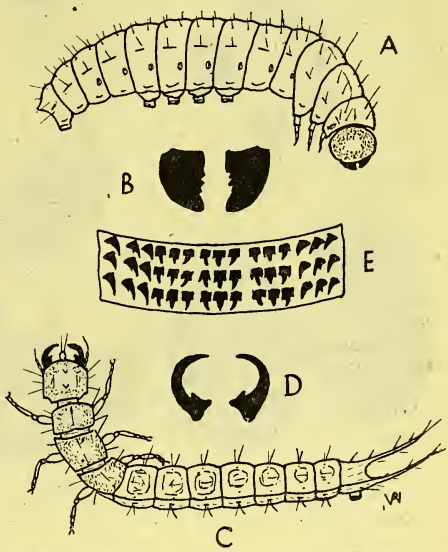


Fig. 4. A. Cutworm Caterpillar, showing position of teeth. B. Typical herbivor's teeth or mandibles. C. Ground Beetle larvæ (Friend). D. Typical carnivor's mandibles. E. Part of snail's radula (*very highly magnified*).

C and D). Slugs and snails have many tiny teeth arranged along a ribbon-like structure, and the vegetation is rasped away between this toothed ribbon or radula and a hard cartilagenous arch in the roof of the mouth cavity (Fig. 4, E).

Whatever the exact arrangement of the teeth, the damage caused by a biting pest has one general diagnostc characteristic: A piece of the plant is chewed or bitten out, leaving a hole. The size, shape and position of the hole varies with the pest. Flea beetles (turnip fly), for instance, are very small and numerous, and the leaves are peppered with tiny holes (Fig. 5, A),

while slugs feeding on a potato crop are responsible for relatively large cavities in the tubers (Fig. 5, B). Many caterpillars feed on the edges of the leaves, giving them a ragged appearance (Fig. 5, C), while the bites of the pea and bean weevil are so regular that they give the leaf a neat scalloped edge (Fig. 5, D). The apple sawfly caterpillar tunnels straight into the fruit, leaving a small external hole. (Fig. 5, E.)

Though the details may differ, the main characteristics of biting or chewing damage remain the same and readily identifiable. The chief chewing pests and the stages in their respective life cycles which do the damage are given in the following table:—

Pest	Stage damaging crops
True Insects:	
Moths and Butterflies	Larvæ (Caterpillars)
Two-winged Flies	,, (Maggots)
Sawflies	,, (Caterpillars)
Beetles	,, (Grubs) and Adults
Earwigs	Nymphs ,, ,,
Non-insects:	
Millipedes	Young ,, ,,
Slugs and Snails	,, ,, ,,
Woodlice	,, ,, ,,

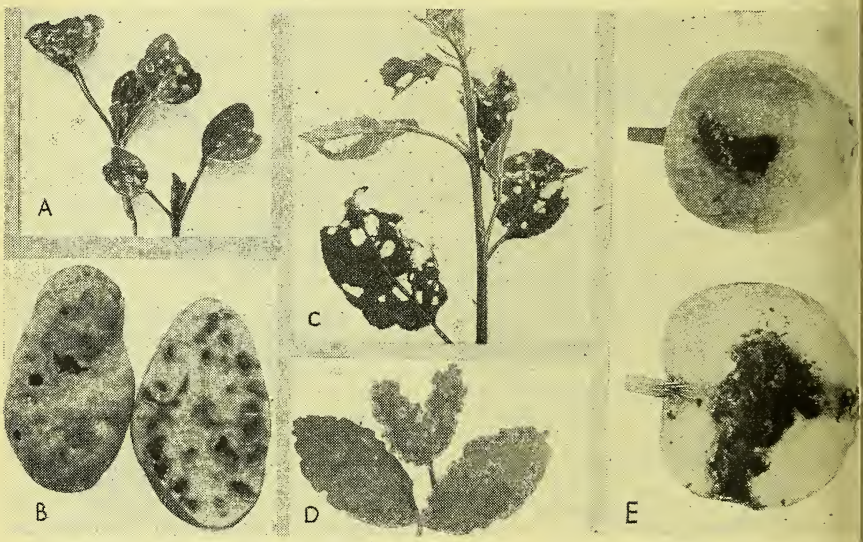


Fig. 5. A. Flea Beetle damage. B. Slug damage to Potato. C. Winter Moth Caterpillar damage on Apple Shoot. D. Pea and Bean Weevil damage. E. Apple Sawfly Caterpillar damage to fruit.
(A, B, C and D, by courtesy of F. C. Brown. E. From Ministry of Agriculture and Fisheries Advisory Leaflet No. 13, b permission of H.M. Stationery Office.)

Control Measures

Chewing pests swallow the plant tis they have bitten out; they are theref combated chiefly with stomach poiso These are applied as sprays and dusts to foliage or in the form of baits on the grou When used on foliage three main poi should be borne in mind:—

1. Stomach poisons may be applied either side of the foliage. It is seldom ne sary to poison both sides.
2. Stomach poisons can be used successf for preventive treatment if they are appl to the young growing parts of the plant wh are usually attacked first.
3. Repeat applications are always ne sary and these must be timed to keep p with the growth of the plants concerned that the young foliage is kept protected.

In dealing with certain soil pests, notal wireworms, where poison baits have proved very successful, soil fumigants used. Leaf-eating caterpillars on fruit tr can be killed in the egg stage with vari winter washes, particulars of which will given later in the tables of chemicals us against sucking pests.

A list of the chief chemicals recommend for the control of chewing pests with so notes on the methods of their use is giv in the following tables.

FOR DAMAGED FOLIAGE AND FRUIT

Treatment required	Chemicals employed	Remarks
omach poison s spray or ust	Lead arsenate, paste or powder (used only as wet spray in this country)	Best available. Used chiefly in commercial fruit plantations against caterpillars and weevils. *Rate:* 4–5 lb. paste or 2–3 lb. powder per 100 gall. water. Too poisonous for use in garden.
	Derris dust or spray	Non-poisonous to man and warm-blooded animals. Very suitable on all types of garden crops. *Rate:* Spray 3–4 oz. per 10 gall. water. A wetting agent should always be used. *Dust:* About 4 oz. per 16 sq. yds. Used against caterpillars, flea beetle, raspberry beetle, etc.
migant	Nicotine, 95-98 per cent., spray, shreds	Used specifically against leaf-mining larvæ. In greenhouse as shreds or vaporised in lamp. Out of doors applied as spray in warm weather. *Rate:* Spray 1 oz. nicotine, 95-98 per cent. pure, to 10 gall. water. Soft soap or other wetting agent must be used.

FOR CONTROL OF CHEWING PESTS IN SOIL

Treatment required	Chemicals employed	Remarks
ison baits	Paris Green	Very efficient for surface feeders. Bran or tea leaves used as attractant. *Rate:* 1 oz. to 28 oz. bran at ½ oz. to 1 oz. per sq. yd. Add water to make a moist but not wet mash. Broadcast. Unequalled against leather jacket (larvæ of daddy long leg fly), cutworm or surface caterpillars, also slugs, snails, woodlice and earwigs.
	Metaldehyde	Specific for slugs and snails. Used with bran or dry tea leaves, in heaps or broadcast thinly (3 oz. per sq. rod 1 oz. to 3 lb. bran).
	Sodium fluoride	Used with some sweet attractant to kill earwigs. In jar traps for catching tomato moths in greenhouses.
l fumigants	Naphthalene, flake or crude	As general fumigant in soil: Against all forms of chewing pests. In crude form. *Rate:* 2–3 oz. per sq. yd., worked in. As specific deterrent: (*a*) Wireworm, 3–4 oz. crude, per sq. yd. (*b*) Cabbage root, onion and carrot fly: ¼ oz. per plant or 1 oz. per 3 yds. of row.
	Carbon disulphide	Against wireworm, etc., in greenhouse or small areas. To destroy ants' nests.
l or seed eatment	Mercuric chloride	Used specifically against cabbage root maggot. *Rate:* ¼ pint of a 1/2000 solution poured round the roots of plants immediately after planting.
	Calomel, pure	Used specifically as a dressing for onion seed against onion fly. *Rate:* 1 oz. per oz. of seed. Moisten seed first with flour paste.
	Calomel, 4 per cent. dust	Used specifically against onion fly and cabbage root maggot. *Rate:* Onion fly: 1 lb. per 50 yd. of row. Cabbage: 1 oz. dust per 10 plants applied round the collar on the soil. Two or three applications necessary in both crops.

Cresylic acid and various preparations ntaining phenols are also used against ts in greenhouse soil, and particulars l be found in later tables. Carbon disulde is inflammable whether used neat or an emulsion and while using it no oking should be permitted.

It is only possible to mention the chief remedies and to give very brief details of their use. Fuller information can always be obtained from the County Agricultural and Horticultural Organisers and from the Ministry of Agriculture and Fisheries advisory leaflets on specific pests.

WOMEN PHARMACISTS' ASSOCIATION

MANY members and friends, including Mr. W. S. Howells (president of the Pharmaceutical Society), were present at the "Members' Night" of the National Association of Women Pharmacists on April 15. For the first time in the history of the Association representatives from the Manchester and Nottingham Branches took part in the meeting. Miss Burr (chairman, Nottingham Branch) and Mrs. Wright (a member of the committee) spoke on "The War and Post-war Problems of Women Pharmacists." MISS BURR divided women pharmacists into two classes—those working in a civilian capacity and those serving in the forces. The conditions under which those in civilian life were working could be considered satisfactory, but that was not the case with those serving in the forces. In the post-war reconstruction of Europe the Government no doubt would be anxious to send medical aid to the stricken countries. Were members of the Association to be represented through the British Red Cross Society or as pharmacists? It would be a matter for the Society and the N.A.W.P. to consider. MRS. WRIGHT emphasised that 10 per cent. of members on the Society's register were women and that the number of women students was increasing proportionately to men, so that the percentage in the near future would be greater. At the moment women were represented on the Society's Council by one member. Members in Nottingham felt strongly that there should be a second woman on the Council, and that the N.A.W.P. should have a member ready to put forward for election to the Council at the opportune time.

Future Developments

From the Manchester Branch, MISS H. J. THOMPSON, supported by MISS PERRY, read a paper prepared by MISS C. GOLDEN on "Future Developments in Pharmacy in the Light of the Beveridge Report." The report was concerned, they pointed out, with the general financial aspect of "providing every citizen with whatever medical treatment he requires and in whatever form he requires it." It would appear that in the development of pharmaceutical service to the community there were three alternatives: (i) Perpetuation of the present system; (ii) replacement of the present system by State dispensaries; (iii) continuation of the present system for a time, with a view to gradual development to the system of State dispensaries. If the first alternative w adopted it could be expected that dispensary would take a more promin part in retail business, but in the event a system of State dispensaries being adop there would eventually be little or no pensing to be done in private pharmaci A gradual development period wo probably be best for retail pharmacy, a would help to solve problems of individ hardship. The Association's secretary (M C. MOZLEY-STARK) stressed the importa of women's organisations, and said that recent successful fight for equal compen tion for war injuries for women was example of the work that could be d through them. In considering emplo organisation members had to decide whet they wished to divide themselves by bec ing members of several trades un organisations or to organise in a single b of similar character to the National Ph maceutical Union. In dealings with Gove ment departments in the immediate more distant future the whole of pharm instead of only a part could then be f represented by three bodies: The Ph maceutical Society, fulfilling its Statut obligation of guarding the professic interests of pharmacy; and the N.P.U. w the comparable employee body further the business and financial interests. A g responsibility for the future of the w profession of pharmacy, and for the efficie of the pharmaceutical service it would s to render the public within a State med service, would rest on these two latter bo hence there was no time for delay in creation of an employee organisation.

COMING EVENTS

Thursday, May 6

ROMFORD BRANCH OF THE PHARMACEUTI SOCIETY, Market Room, Golden I Hotel, Romford, at 7 p.m. Mr. Hayward (Commandant) on "The P maceutical Corps."

NATIONAL ASSOCIATION OF WOMEN PH MACISTS, 17 Bloomsbury Square, Lon W.C.1, at 7.15 p.m. Annual meet Mrs. J. K. Irvine, M.B.E. (a membe the Council of the Pharmaceut Society), on "Notes on the Beveri Report." At 8.15 p.m. Social hour.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

monthly meeting of the Council of the maceutical Society of Northern Ireland held on April 16. Mr. H. F. Moore ident) was in the chair, and others nt were Messrs. J. T. Nicholl (vice-dent), Charles Abernethy (treasurer), C. Tate, J. E. Connor, J.P., John egor, J. Glendinning, H. H. Cowzer, Dowell, J. W. Gray, J.P., Dr. S. E. A. son, Professor E. B. C. Mayrs, and the tary (Mr. D. L. Kirkpatrick).

the outset Mr. Moore made a sympa- reference to the death of Mr. R. J. h, who had been auditor to the Society its foundation in 1925. The secretary nstructed to send a letter of sympathy rs. Walsh and other relatives. Mr. Nicholl paid a tribute to the deceased eman, whom he had known over a d of years.

ions to Poisons Schedule

e Secretary read the following letter, April 1, dealing with the poisons drine and ephedrine: "I am directed e Minister of Home Affairs to state the resolution of the Pharmaceutical ty of Northern Ireland dated the 16th ber last, desiring the inclusion of the drugs in the Fourth Schedule (Part I) e Pharmacy and Poisons Act (N. I.), was approved by the Privy Council rthern Ireland at their meeting on the February. A notice of the resolution approval appeared in the 'Belfast tte' on the 26th February, and one h having expired since the date of the tisement the drugs are now deemed poisons within the meaning of the ns (I) Act, 1870, and Section 24 of Pharmacy and Poisons Act (N. I.), A copy of the Order in Council is sed for your information."

intments Approved

letter bearing on the appointment of iners for the year 1943 was also read e Council. This was as follows: "With ence to your letter of the 26th ultimo, directed by the Minister of Home rs to state that he has approved of the intment of the lady and gentlemen e names are set out in your letter as iners for the purposes of the examina- to be held during the year 1943 under the provisions of Schedule 2, Part IV, of the above-mentioned Act."

The Secretary reported to the Council that his office assistant, Miss Roulston, had joined up for active service and was leaving for the duration. Mr. J. T. Nicholl proposed that the Council place on record its appreciation of the services rendered by Miss Roulston, and this was heartily endorsed by those present.

Salvage

The President said he had been approached by the High Sheriff, Alderman T. Henderson, M.P., and requested to make an appeal to all chemists and druggists to do their utmost in helping the campaign to collect books for salvage to be used in the making of vital munitions of war. It was felt by the Council that all the members could render valuable help in this direction. Mr. Moore also intimated that books could be left at Messrs. Cantrell & Cochrane, 7 Victoria Square, Belfast, on and after April 19, or alternatively at the City Hall.

New Member

On the proposition of Mr. J. W. Gray, J.P., seconded by Mr. Charles Abernethy, Gerald Wiley Brownlow, Avoca, Ballinderry Road, Lisburn, was elected a member of the Society.

EMPIRE AND FOREIGN NEWS

South African Quinine Needs.—Africa used to obtain most of its quinine from the Dutch East Indies, and it is now necessary to look to local sources of supply. It is expected that by 1944 the Belgian Congo will be able to serve this demand. A large number of cinchona trees has been planted in certain suitable regions, and optimistic expectations are held regarding the quality of the quinine to be obtained.

Australia Bans Advertising of Contraceptives.—Under National Security Regulations the Commonwealth Government has made it illegal to display, advertise or promote the sale of any article as a medicine, instrument or appliance for the alleviation of any venereal disease, or disease affecting the generative organs or functions, and for other purposes including the preventing of conception.

PARLIAMENTARY NEWS

Chemical Inspection Department Staff.—Mr. Linstead asked the Minister of Supply, on April 21, the qualifications required and salary scales for the following classes of staff in the Chemical Inspection Department of the Ministry of Supply: Assistant Grade I, Assistant, Grade II, Assistant, Grade III, and Chemist or Experimental Officer; and whether overtime was paid to any workers in these categories.

Mr. Sandys: The table (adjoining) shows scales of pay and the normal qualifications appropriate to Assistant Grade I, Assistant Grade II, Assistant Grade III and Chemist or Experimental Officer in the Chemical Inspection Department of the Ministry of Supply.

Grade	Scale of pay	Range of pay applicable to war-time entrants*	Normal qualifications
Assistant, Grade III			
Male ..	£130 × 12—£310	£130—£300	At least Interme- ate B.Sc. or eq valent.
Female	£130 × 12—£260	£130—£250	
Assistant, Grade II			
Male ..	£315 × 12—£385	£315—£350	As for Assist Grade III w useful practi experience in dition.
Female ..	£265 × 12—£315	£265—£300	
Assistant, Grade I			
Male ..	£400 × 18—£515†	£400—£450	As for Assist Grade II.
Female ..	£325 × 12—£349 × 18—£415†	£325—£365	
Chemist			
Male ..	£275 × 18—£455 × 25—£580‡	—	1st or 2nd Cl Honours deg or equivalent.
Female ..	£275 × 12—£347 × 18—£464‡	—	
Experimental Officer: Male	—	£275—£550	As for Chemist.
Female ..	—	£275—£440	

* War-time entrants to the Assistant grades are designated Exp mental Assistants. Rates on the range are assessed in individual ca according to qualifications, experience, etc.

† With extensions in special cases by annual increments of £18 £580 for males and to £465 for females.

‡ With extensions in special cases by annual increments of £25 £680 for males and to £580 for females.

These rates are basic, Civil Service bonus being paid in addition to salaries not exceeding £519 11s. 0d. The qualifications shown indicate the general standard required. Particularly useful experience may be regarded in certain instances as equivalent to academic qualifications. Assistants Grades II and III (and the corresponding grades of the Experimental Assistant) are eligible for payment for overtime. Assistants Grade I (and Experimental Assistants Grade I) receive a modified form of overtime.

Health Services.—Sir R. Gower asked the Minister of Health, on April 22, the present number available, respectively, in Great Britain of qualified doctors, qualified pharmacists, qualified opticians, qualified nurses and of other persons concerned in the provision of services or equipment connected with the health of the people; and what steps were being taken to make the most efficient use of this man-power in applying the principles of the Beveridge Report so far as the health services of the nation were concerned.—Mr. Brown: The following approximate figures may be assistance to my hon. Friend.

Registered medical practitioners (excluding N. Ireland) in civil practice or in the Forces ..	49,10
State-registered nurses (on register for England and Wales) ..	99,59
Qualified pharmacists (excluding N. Ireland)	25,15
Opticians (ophthalmic and dispensing, excluding N. Ireland) ..	6,27

Sir R. Gower also asked the Minister Health whether, in order to make maximum effective use of the services available doctors in implementing Beveridge Report, he would institute investigation into the extent to which d tors could be relieved of routine work pharmacists in relation to dispensing a carrying out various tests, and by quali opticians and qualified nurses.—Brown: I certainly intend to consi possibilities of relief of this kind at appropriate stage of the preparation of proposals.

MARRIAGES

ORTEEN—KIRKHAM.—At St. Hilary's rch, Wallasey, on April 24, Edwyn teen, M.P.S., Lhergy West, Laxey, Isle Man, to Joyce Elizabeth Kirkham, .S., Wallasey.

OORE—KIRKHAM.—At St. Hilary's rch, Wallasey, on April 24, Eric Moore, .S., Allerton, Liverpool, to Sibyl Yvonne kham, M.P.S., Wallasey.

IBLEY—WILLIAMS.—At Ashurst Drive tist Church, Ilford, on April 17, Thomas ey (a representative of The British g Houses, Ltd.) to Cecilia Williams.

DEATHS

ODD.—On April 19, Mr. Henry Vincent d, M.P.S., Rodenhurst, Highview, am, Surrey, secretary of United Phar- ies, Ltd., London House, Crutched rs, London, E.C.3, aged seventy-four. Dodd was for many years chairman managing director of Meggeson & Co.,

REEN.—Recently, on active service, eant-pilot Jack Green, M.P.S., R.A.F. ., aged twenty-eight. After qualifying 928 Mr. Green was for a time on the of St. Bartholomew's Hospital, London.

OWAT.—On April 15, Mr. Edward at, M.P.S., 49 High Street, Cheshunt, s. Mr. Mowat passed the Minor nination in 1891.

IXON.—On April 20, Mr. Harold Nixon, rman of Ayrton, Saunders & Co., Ltd., ufacturing chemists, Liverpool. Mr. n was educated at the Liverpool giate School and joined Ayrton, Saun- & Co., Ltd., in 1898. He was appointed rector in 1908 and became chairman of company in 1930 on the death of the William Hill Saunders. Mr. Nixon was ected with many trade organisations did sterling work on their councils and mittees. With graceful modesty he ys seemed to bow to the vacant chair- ship when the time came to reward his services, and beckon someone else for- l to the high office. This also was the with Rotary, of which he was a proud ber for twenty-five years, in No. 7 nder) Club. His nature, spirit and es conformed closely to the Rotary of "Service above Self" and most le seemed to recognise this instinctively n coming into contact with him. The funeral was held at All Hallow's Church, Allerton, on April 22, when the congregation of staff and friends numbered 500. Many well-known people in the professional and business life of Liverpool were present to pay a last tribute, including representatives of Liverpool College, the Liverpool and Birkenhead branches of the Pharmaceutical Society, the National Pharmaceutical Union, and the Liverpool School of Pharmacy. Mr. Nixon leaves a widow, a daughter and two sons, both of whom are at present serving in North Africa. The elder, Captain Gilbert A. Nixon, M.P.S., was Bell scholar in 1939.

SCRIVENER.—At Ormskirk, recently, Mr. Frederick Scrivener, aged seventy-eight. Prior to his retirement about ten years ago Mr. Scrivener was connected with the export department of Evans Sons Lescher & Webb, Ltd., manufacturing chemists, Liverpool. He was in the service of the company for nearly fifty years.

WILLIAMS.—Recently, Mr. James Casketter Williams, M.P.S., 11 The Broadway, Cheam, Surrey. Mr. Williams passed the Minor examination in 1903.

PERSONALITIES

MR. R. W. E. STICKINGS (managing director, May & Baker, Ltd., Dagenham) addressed Southend Rotary Club on April 14 on "M. & B. 693."

MR. W. E. HAMBLEY, Penrhiw, Eglwysbach, Tay-y-cafn, North Wales, has sent us an interesting letter on his "Hymn of the R.A.F.," which has been received with appreciation by his Majesty the King and the Archbishop of Canterbury. Mr. Hambley was a manager to Thompson & Capper, Ltd., Liverpool, with whom he spent fifty-three years, till his retirement seventeen years ago. A remark in the "Liverpool Daily Post" some months since regretting the lack of a hymn for the Royal Air Force on the lines of the well-known verses "for those in peril on the sea," led Mr. Hambley (now in his eighty-fourth year) to write this hymn. Its success has been remarkable: the directors of education for Liverpool, Sheffield and Belfast have adopted it for school use, and among other tokens of popularity is a letter of praise from Sir Henry Coward, the veteran Sheffield Festival chorus master. The proceeds of sales are sent to the R.A.F. Benevolent Fund. Mr. Hambley will send an autographed copy of the hymn to any reader of the *C. & D.* on receipt of a stamped envelope.

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CXXXIX MAY 1, 1943 NO. 3299

fact that goods made of raw materials ort supply owing to war conditions are tised in this paper or described in its ial columns should not be taken as an ution that they are necessarily available port.

ish Post-war Currency Plan

post-war currency plan which has been orward by the British Government as s for discussion by the United Nations not directly interest the trader so far daily business is concerned. The fact the plan has as its main purpose, ver, the promotion of a steady expan- n the flow of international trade after ar, and a consequent improvement in tandard of life of the participating ries, makes it a document of great tance and one which should be studied ail. The plan proposes the establish- of an International Clearing Union, on international bank-money (called cor") for settling balances. The e to the scheme (published as a White) emphasises that the plan must te not only to the general advantage so to the individual advantage of each participants, and must not require a l economic or financial sacrifice from n countries. The intention of the ng Union is to avoid defects and nt breakdowns of the pre-war mone- arrangements for financing inter- nal trade. It is, in effect, an attempt pply the banking principle, long familiar in the domestic field, to the international field. The Clearing Union requires no contribution from the budget or from the taxpayers of any country. An institution, which is only required to make transfers within its own books from one account to another, needs no subscribed capital—for its assets will always be equal to its liabilities without this added support.

Management of the Plan

In the management of the plan special care has been taken to safeguard the interests of smaller powers and to provide a democratic voting system which does not permit preponderant power to any country or group. Each individual state will have a quota mainly determined by the volume of its international trade. The governing board will report to an annual assembly attended by representatives of all participating states. On neither body will unanimity be required for arriving at an effective decision, i.e. there will be no question on which a single state can exercise a veto upon the will of the majority. The clearing business of the Union will be conducted in terms of bancor, a unit of which is defined initially in terms of a given weight of gold, but this weight will be alterable, if necessary, in the light of events. Every country will be entitled to obtain bancor from the Union in exchange for gold, but not vice versa. No country will be allowed to attempt to accumulate gold by paying more for it than its agreed price in terms of national currency, but will otherwise be free to make as much or as little use of gold as it thinks fit, both in its domestic and its international dealings. Thus the plan recognises certain facts—the high prestige value still enjoyed by gold and its convenience for certain purposes. But it does not put the fate of the international money at the mercy of the vicissitudes of the world's gold supply, nor give any countenance to the idea that the value of that money is derived from the possession of a "gold backing."

Protection Against Inflation

Apart from the main purpose, already mentioned, of promoting a steady expansion in the flow of international trade, the plan provides for a generally acceptable means

of payment between nations. It ensures that any alterations which take place in the exchange values of national currencies are made as the result of orderly international procedure and not by unilateral action. It will relieve from excessive strain any nation which is suffering from temporary difficulty in meeting its obligations to make payments abroad, while at the same time subjecting it to a gradual pressure towards restoring a position of balance. All the United Nations will be invited to become original members of the International Clearing Union. Other states may be invited to join subsequently but, in the case of ex-enemy states, if they are invit to join, special conditions may be applied.

Obviously a new and ambitious proje of this kind cannot be adopted unless, af full discussion, it commends itself to t instructed opinion of the world, and it for this reason that early publication h seemed advisable before any Governm has become committed to a special pl The present proposals will doubtless modified or an alternative scheme in different dress will be substituted for the but if some sufficient and comprehens plan is in the end adopted, the main purp of the proposals will be served.

RECENT RESEARCH

No True Peroxide of Zinc.—The conclusion that there is no evidence for the existence of a true zinc peroxide is reached by Noel and Lynn ("Journal of the American Pharmaceutical Association," XXXI. 12. 523), who found that commercial products all contain hydrogen. They consider them to be combinations of zinc oxide and hydrogen peroxide. Assay, they state, should be for total oxygen, and the name zinc peroxide should be abandoned in official formularies.

Hydrophile Ointment Bases.—In extension of previous work Johnson and Lee ("Journal of the American Pharmaceutical Association," XXXII. 1. 25) have investigated the emulsifying power of cholesterol esters and normal fatty acids. They found that mixtures of cholesterol and cholesterol esters have greater emulsifying power than cholesterol alone. Of the esters, cholesterol stearate appears to be the best. A satisfactory base was prepared from cholesterol stearate and cholesterol in anhydrous lanolin and white petroleum jelly. This produced good ointments with many official ointment ingredients and compared favourably with commercial bases, but volatile materials and alcohols appeared to be incompatible with absorption bases of this type. The formula is:—

Cholesterol	3
Cholesterol stearate	3
Anhydrous lanolin	25
White petroleum jelly ..	69

Almost all of the ointments prepared with the base were stable at temperatures of U.S. high summer heat, though over half were unstable when subjected to a tempe ture of 10° C. Ointments prepared w hydrophile bases and containing up to per cent. of water were found not to rem stable indefinitely, hence they are b suited, the authors conclude, to the exte poraneous preparation of small amou of ointments.

Astringents with Antiseptics.—The ob vation has been made by Sprowls and ("Journal of the American Pharmaceut Association," XXXII. 2. 33) that germicidal power of certain antiseptic increased by association with speci organic or inorganic astringents.

The effect is more pronounced whe gram-negative organism is used than w the test organism is gram-positive. Q small concentrations of the astringents h been found capable of increasing the b teriostatic power of some of the antise agents tested, but the astringents do exercise the same degree of effect u different antiseptics. There seem to maximum dilutions for both antiseptic astringent beyond which no enhancem of inhibiting effect is manifested by c binations of the substances. As a corol to the investigation, the same aut tested the disinfectant powers of twe four astringent salts and eleven off (U.S.) astringent solutions and found t —mercuric chloride and silver nit excepted—of no particular effect aga the test organisms. Salts of copper, and tin were found to be fairly effec against *Eberthella typhosa* but the s salts were practically inactive against staphylococci.

ZANZIBAR CLOVE EXPORTS

: Clove Growers' Association of Zanzibar, he course of a review of the market for quarter ended December 31, 1942, state , despite the difficulties of shipping and widening of control measures in over- markets, clove exports for the year e at a satisfactory level. Supplies and orts during the quarter were as follows:

SUPPLIES

Zanzibar produce ..	535,984 lb.
Pemba produce ..	3,882,631 lb.

EXPORTS

To all destinations	5,187,865 lb.

f the total supplies 4,186,466 lb. passed ugh the Zanzibar central market and 149 lb. passed through the Association. cloves were purchased by the Associa- . The destinations and quantities orted during the quarter were as follows:

ESTINATIONS	BALES	LB.	PER CENT.
mbay and Indian ports ..	32,938	4,611,250	89·03
rsian and Arabian ports ..	1,890	264,620	5·09
ustralian ports	1,282	179,480	3·47
uth African ports	275	38,410	0·73
itzerland ..	254	35,560	0·67
gerian port ..	160	22,400	0·44
ited Kingdom and Continent	100	14,000	0·28
uth American port	96	13,500	0·28
st African ports	60	8,645	0·01

terms of standard bales (140 lb. net) plies were 31,561 and exports 37,055 s. Of the total exports the Association plied 2,886,468 lb., being 55·64 per cent. e total.

ove Oil.—The markets for clove oil loped considerable uncertainty towards end of the quarter, and it is apparent the United Kingdom is overloaded supplies for the time being. This is the lt of an unexpected arrival of a large ignment from Madagascar, and it will uite a time before it can be absorbed. orts of oil for the year at 450,143 lb. the largest so far; it is unlikely a lar quantity will find a market during . The exports for the quarter were 78 lb. Supplies of clove stems during quarter were 543,471 lb.

TRADE MARKS

(*From "The Trade Marks Journal," April* 14)

"KEN"; for non-medicated toilet preparations (3). By Harry Ibbetson, Ib-co Works, Great North Road, Stevenage, Herts. 621,573.

"ROWAN DEW"; for non-medicated toilet creams (3). By G. T. W. Newsholme, Ltd., 27 High Street, Sheffield. 621,896.

"ADVENTURE"; for non-medicated toilet preparations (3). By J. Grossmith & Son, Ltd., 29 Newgate Street, London, E.C.1. 622,166.

"ITBA"; for shaving soap and cream (3). By Emergency Products, Ltd., 3 Gray's Inn Place, London, W.C.1. 622,346.

"HALICOSE"; for pharmaceutical preparations and substances, infants' and invalids' foods, and medicated sweets, all containing halibut liver oil (5). By Meadowcroft & Co., Ltd., Stanley Mills, Butcher Lane, Bury, Lancs. 621,092 (Associated).

"RONA"; for pharmaceutical substances (5). By Rona Laboratories, Ltd., 60 Lincoln's Inn Fields, London, W.C.2. B621,641.

"CARNEBROS"; for pharmaceutical preparations, bandages, and medical and surgical dressings (5). By Carnegie Bros., Ltd., 227–29 Essex Road, Islington, London, N.1. 621,696 (Associated).

"HALL'S MENTHO-LYPTUS TABLETS" on label design ("Hall's" disclaimed); for medicated sweetmeats containing menthol and eucalyptus (5). By Hall Brothers (Whitefield), Ltd., Stanley Street, Whitefield, nr. Manchester. 621,888 (Associated).

"KALMASAN"; for preparations for destroying vermin and killing weeds (5). By J. Kalman & Sons, 549 Ecclesall Road, Sheffield, 11. 621,965.

"LEMDEX"; for lemon-flavoured medicated tonic beverages (5) and for lemon-flavoured beverages and preparations (32). By Meggeson & Co., Ltd., Llewellyn Grove, Llewellyn Street, Bermondsey, S.E.16. 622,024–25 (Associated).

"SEPTISOL"; for pharmaceutical substances for human and veterinary use; sanitary substances and disinfectants (5). By G. T. Waring, 207 Clarendon Road, Whalley Range, Manchester, 16, 622,075.

"GYNOMEK"; for pharmaceutical and sanitary preparations (5). By Coates & Cooper, Ltd., 94 Clerkenwell Road, London, E.C.1. 622,412 (Associated).

"LIVE-BLADE"; for razors and blades (8). By Birdsell Laboratories, Inc., 406 South Columbia Street, City of South Bend, Indiana, U.S.A. B619,799.

"RUISENOR RAZOR BLADES" on design incorporating safety razor blade and bird wearing top hat (device of safety razor blade disclaimed). (Word "Razors" may be substituted for "razor blades.") For razors and razor blades for sale in the United Kingdom or for export to South Africa (8). By Albert and Henry Bassat (London), Ltd., 52–54 Rosebery Avenue, London, E.C.1. 622,019 (Associated).

PHARMACEUTICAL SOCIETY of IRELAN

THE monthly meeting of the Council of the Pharmaceutical Society of Ireland was held on April 13, Mr. John Gleeson (president) in the chair. Others present were Messrs. C. J. Cremen, P. C. Cahill, D. W. P. Boyd, J. A. O'Rourke, T. C. Scott, J. K. Whelehan, P. Brooke-Kelly, H. P. Corrigan, M. Costelloe, W. G. Cunningham, J. P. Kissane, E. MacSweeny, A. R. Lester, M. J. Parkes, and Miss F. M. Flood. At the outset the Council expressed its deep sympathy with Mr. Hugh Linstead, M.P., in his recent bereavement, in a motion proposed by MR. O'ROURKE, seconded by MR. PARKES.

Red Cross D.D.A. Drugs

The following letter was read from Miss Kathleen F. O'Sullivan, M.P.S.I., Kinsale: "I would be very grateful if you would explain the position as regards Dangerous Drugs Act drugs for our local Red Cross Society. Some time ago the local secretary bought and paid for a certain quantity of these drugs which she asked me to hold here for her. She now wants to have them kept in the Society's depôt, and in order to do so asked the medical officer here to sign our register for them. He is not clear about the position and will not sign for them. The secretary is now pressing the matter, and tells me that other Red Cross depôts are holding D.D.A. drugs. I have refused to do anything until I hear from you."

A letter was read from Miss Eileen Burke, Ph.C., Drogheda, in which Miss Burke asked for information with regard to her position in the Irish Red Cross. "In view of my being a chemist," she wrote, "I was made an officer and termed a supernumary. I am in charge of one of the first aid posts here, but I take stock for the two posts that the town possesses. The posts contain a number of dangerous drugs, such as morphine hydrochloride tablets, Nepenthe, Bromidia, etc., and I have no intention of relinquishing my position and allowing unqualified people to take charge of these posts." Miss Burke explained that she was directed by her Brigade Commandant to get a company officer's uniform, but at the suppliers she was refused this uniform on the grounds that she was not a company officer. Asked if there was any special markings for a chemist, the suppliers informed her "that chemists were not recognised by the Red Cross and that they had never before been asked for markings for a chemist." Concluding her letter Burke wrote: "Perhaps you could let know and advise me in this matter as not think it right that chemists should no recognition from the Red Cross, certainly all first aid posts should b charge of qualified people."

Position of Chemists

MR. SCOTT mentioned that he wa Limerick recently for the Irish I Association and the question of the st of chemists in the Red Cross cropped In Limerick they had one qualified che with the rank of an officer, and anoth sergeant. The matter was raised with Red Cross authorities in Dublin and replied that they did not recognise chem as officers save under Rule 4 as su numaries.

THE REGISTRAR (Mr. J. J. Kerr) sai was concerned with regard to D.D.A. d being under the control of persons o than those authorised at present.

MR. KISSANE pointed out that chem were recognised by the Red Cross to extent that they were exempt from ex ination in first aid. Chemists shoulc quartermasters in the Red Cross bec they were in charge of the stores.

MR. CAHILL said the point at issue that if D.D.A. drugs were to be under control of a chemist, or doctor, they look for commissioned rank for any of people acting in a professional capacity

No Recognition

MR. MACSWEENY said that nine chem in Cork took a special course of cl under the Red Cross, but since that got no recognition.

MR. KISSANE: Actually they are exe and should not have stood for any exam tion. Registered medical practitio pharmacists, registered nurses, and de surgeons are exempt from the first examination.

MR. O'ROURKE thought if more int were taken in the voluntary organisa this position with regard to chemists w not have arisen.

MR. BROOKE-KELLY: In Ennisco we have chemists as Group Leader Deputy Group Leader of the L.S.F., bu chemists in the Red Cross.

The Council directed the Registra take up the matters mentioned in

O'Sullivan's and Miss Burke's letters with ed Cross authorities in Dublin.

istry Classes

E REGISTRAR reported that the existing istry class was much overcrowded, and commended that provision be made to day class commencing next October. It l lessen the pressure in the School.

. O'ROURKE said in view of the present rowding in pharmacy he would not be in r of extending the facilities for chemistry s. There were fourteen centres for chemis- asses in the country, and if they had an ial barrier they should take advantage

E PRESIDENT said that in all fairness they not have overcrowding in the classes. must give the students facilities to work.

. LESTER said all this discussion was very nating seeing that they asked to have acy classes in Cork recognised and this cfused.

E REGISTRAR mentioned that the pharmacy for this quarter was not full. It was stry they were talking about.

. O'ROURKE said other professions had ened their course, but they had done ng. He would be in favour of extending ourse as four years was not enough under nt conditions.

the suggestion of the Council Mr. Cremen Mr. Parkes adjourned to inspect the stry class then in progress. Reporting hey stated that forty people were enrolled, -nine of whom were present that day. was only accommodation for twenty-seven nts. On the motion of MR. CREMEN, ded by THE PRESIDENT, it was decided to a day class in chemistry commencing in er next, the number of enrolments to be d to twenty-seven students.

of Veterinary Products

. WHELEHAN moved a motion standing in me asking the Council "to place on record nsidered opinion that by virtue of their ication pharmaceutical chemists represent hical media for the distribution, possession, ompounding of medical and veterinary rations."

m the reading of it, said Mr. Whelehan, otion might appear superfluous in so far asked the Council to do something that d unnecessary. Actually, however, the n arose out of a previous discussion at a il meeting, and the one part of the motion ich he placed particular importance at the nt was that referring to veterinary pre- ions. In recent years there had been more ific progress in the veterinary field, and nary medicine and practice had followed developments in the medical sphere, gh not so quickly. As a result of these opments the practice had arisen of the facturers communicating directly with eterinary people regarding the potency and f their various preparations. It was only a step forward to the position when the veterinary people would be supplied direct with all their preparations by the manufacturers. He did not wish to encroach upon or tamper with the rights of veterinary surgeons in any way. He wished to deal with the rights of the chemist in this matter, and it was within the province of the Council to concern itself over those rights while not encroaching on the rights of others. When he raised the matter first he did not mention names, but since May & Baker, Ltd., had replied he would like to refer to a paragraph in their letter which stated: "The veterinary products which formed the nucleus of our range, those which have been added since, and those we may introduce in the future, cannot be confused with simple-formula veterinary counter adjuncts designed for the retail trade." To his mind by that particular clause this company had relegated pharmacists to selling simple veterinary medicines which, as they all knew, any co-operative store could sell, and had completely ignored their status as chemists and licentiates of the Pharmaceutical Society. This attitude only applied in relation to this company's veterinary products, and was in marked contrast to the policy followed in regard to medical products. It was only fair tribute should be paid to Messrs. May & Baker for the way they acted towards the chemist in regard to these products. No company had done more for medical science while at the same time recognising fully the right place of the pharmacist in the sale and distribution of these lines. He had no doubt that the present sales policy with regard to veterinary preparations had been adopted in good faith, and with the idea that it was in the best interests of all concerned. A motion such as he now proposed would, he believed, carry weight with a business like Messrs. May & Baker. The main thing about the Pharmacy Act was that they, chemists, were brought into being because it was felt desirable that certain people should receive instruction and be authorised to sell poisons, and distribute medicinal products. The reason for that, indeed the only reason for an Act of Parliament of this kind, was the public good and their protection. If then they were established on the grounds of the public good and protection he did not think it was right that they should be ignored in a matter like that and relegated to the position of ordinary shopkeepers.

He did not think there was any authority in law for interfering with their rights as licentiates. There were many facets to the case which affected chemists and which could not be dealt with there. The point had been made that chemists had not much to do with veterinary surgeons, but were mainly engaged in making up prescriptions from medical men, and that the veterinary surgeon saw the beast, diagnosed and supplied the medicine himself. That did apply in some cases but not in all of them. Actually he was afraid the conditions under which veterinary surgeons operated in Britain influenced the company in inaugurating this policy in this country where a different set of circumstances obtained. Another question

raised was that of integrity. It was suggested that the chemist might pass on some of these potent drugs to people who were not competent to use them. Since the inauguration of their profession they had been handling dangerous substances as a means of making their livelihood, and there were not many cases where chemists' integrity was wanting. As a profession they had justified their existence. In conclusion he wished again to pay tribute to May & Baker, Ltd., and would not have referred to them by name had they not written to the Registrar themselves.

Mr. MacSweeny, seconding the motion, said it was the duty of the Council to protect the rights of chemists. One of their rights was to handle these preparations and they should place it on record that the media of distribution should be through the chemists.

Mr. O'Rourke, supporting the motion, said it was a reflection on chemists to suggest they could not handle these products.

Mr. Scott said he was very sorry to have to be opposing his good friend Mr. Whelehan, but they would recollect that he spoke against the matter before. His point was that these veterinary preparations were highly potent, and he did not think that the chemist could advise the farmer as to their use. What happened when a farmer came to the chemist and said an animal had a certain disease? The chemist had to depend on the farmer's diagnosis and gave him a remedy which might be either right or wrong. The farmer was not skilled in diagnosis and neither was the chemist. These ethical preparations must be given under skilled advice. The veterinary surgeon passed an examination and he was the proper person to do this work. It should not be thought that they were trying to grasp somebody else's livelihood as well as their own. They would object to grocers selling medicines or drugs, and should not kick up a row if the veterinary surgeon wanted to keep his own.

Mr. Whelehan said he agreed with Mr. Scott on several points, but he had not suggested that the chemist was a competent person to diagnose in these cases. Where a case called for skilled diagnosis they usually suggested that a qualified veterinary surgeon be called in, and that potent preparations should only be sold to persons qualified to use them. His case was that chemists should hold these preparations and be able to pass them to the persons qualified to use them.

The motion was passed unanimously and at Mr. Whelehan's request it was decided to send a copy to Messrs. May & Baker.

Proportional Representation Proposed

Mr. Cahill moved to amend the existing regulations governing the election of members of the Council by inserting instead: "The mode of election shall be by proportional representation by means of the single transferable vote. In voting the voter shall number each candidate in the order of his preference. The voting paper must be transmitted under cover in the envelope provided to the auditors of the Society, who will issue the voting papers, so that it shall received by them not later than eleven o'cl on the morning of the election. The voter m write his or her name and address in the pl provided on the outside of the envelope, or vote will be void. The auditors must check voting envelopes with the treasurer's book shall issue a certificate that each person vot is entitled to do so according to the entries the treasurer's book. In the case of an equal of votes the presiding chairman at the ann meeting shall have a casting vote. Votes sl be counted by the auditors and their staff o and a certificate of the result shall be tra mitted by the auditors to the Registrar. Sc tineers of the ballot shall not interfere with conduct of the election. They shall act only a supervisory capacity. In the event of question arising concerning the validity o vote the matter shall be submitted to the adviser, whose decision shall be final. The t attendances of members at Council meeting well as the number of attendances on c mittee days shall be given on the voting pap The scrutineers of the ballot shall be the pr dent, or in his absence the vice-president member nominated by the president, with members of the Council elected for the pur at the September meeting of the Council, either the proposer or seconder of each candidate. They shall meet at twelve noon the first Monday in October to supervise counting of the votes. The names of tl elected shall be declared at the annual mee by the presiding chairman.

Moving his motion, which was seconded Mr. MacSweeny, Mr. Cahill said they w all recollect that at the last annual meetin the Society Mr. O'Neill had referred to system of election in operation. Mr. O' made it quite clear that the procedure down in the regulations had been rigidly adh to last October, and was carried out in the r honourable and scrupulous fashion, but he gested that the present system was hopele out of date, and that the regulations shoul reviewed with a view to bringing them mo line with modern practice. As president year he (Mr. Cahill) promised Mr. O'Neil would ask the Council to look into the ma at the first opportunity, and this was the opportunity he had of suggesting these alt tions. If adopted, these changes would gre improve the procedure. It was proposed ins of straight voting to vote on a Proporti Representation basis. It was generally acce that P. R. was the fairest system yet devise ensure that that voice of the electorate woul recorded in the most practical manner. He been present himself at three or four co here and he was always satisfied that they carried out in a strictly honourable and manner, but he was also satisfied that it pl an undue burden on the Registrar and s and therefore suggested that the matte transferred to the Auditor or some other interested body approved by the Council. suggested placing the name on the back o envelope, instead of inside as at present

ble the returning officer to check the papers received more expeditiously. Last October ook four hours to check the papers on the ent system. Regarding attendances his gestion was that instead of giving six sets of ndance for Council meetings and comtees, that they give two sets covering the re three years. He was not tied to the s set out in the motion and merely put them n for their consideration.

R. CUNNINGHAM said that he was in agreeit with a great deal of what Mr. Cahill had , but he was not quite clear about proporal representation. It would be quite all t if the entire Council went out, but where seven members went out each year the ta required to be elected would be conrably higher. If the whole Council went out minority would have a better chance. arding the name and address on the elope the regulation stated that voting ers should be sent out to each person tled to vote. That assumed they were cked before they were sent out.

HE REGISTRAR said there was a double ck; first by the Registrar sending the papers and secondly by the scrutineers.

R. CUNNINGHAM thought the system of ting the name on the back of the envelope ld not be adopted, but rather the system two envelopes as used in voting by the ional University.

R. O'ROURKE said the whole matter was they would have to consider carefully and ld not be gone into that day.

HE PRESIDENT said he was in thorough ement with Mr. O'Rourke.

R. CAHILL said he was in favour of postng the motion for another month and this agreed to.

er Matters

rs. A. M. Ruth (*née* Sweeney), M.P.S.I., Mrs. B. MacDonald (*née* Branagan), .S.I., wrote desiring change of name in the ister, and submitting marriage certificates. applications were granted.—The following submitted matriculation certificates were ted Preliminary registration: Misses M. M. enan, B. E. Newell, M. B. Hogan, R. rien. Messrs. D. McMahon, J. McAuliffe, IcGee, T. H. Murphy, and G. F. Talbot.

he reports of the House, Schools, Law, ificates and Declaration Committees were nitted and approved. The report of the mentioned Committee stated that the lication of one candidate had been passed the coming R.D. examination and forty-two lications passed for the Licence examination.

HE REGISTRAR reported on the deaths of B. Farren, L.P.S.I., Thomas Bayne, L.P.S.I., Joseph A. Walsh, M.P.S.I.

he following changes of address were fied:—

r. G. W. Irwin, M.P.S.I., to 22 Main Street, krock, Dublin; Mr. A. J. Boyle, M.P.S.I., 43 Capel Street, Dublin; Mr. T. A. Mara, .S.I., to 46 Hollybrook Road, Clontarf, Dublin; Mr. J. Connolly, R.D., to c/o 37 Shop Street, Drogheda.

Mr. T. A. Dolan was elected a member of the Society, and the following were nominated for membership: Miss A. M. Cogan, Society Street, Ballinasloe, Mr. V. McElwee, The Pharmacy, Dungloe, co. Donegal, and Mr. J. F. Walsh, The Medical Hall, Roscrea.

The Licence certificates of Messrs. George M. Commins, Niall B. Beirne, and David Roice were signed and sealed.

A meeting of the Benevolent Fund Committee was held following the Council Meeting.

INSURANCE ACT DISPENSING

Lethane under N.H.I.—The Ministry of Health has informed Insurance Committees that medicated (Lethane) hair oil may properly be prescribed for insured persons as part of medical benefit.

Medical Benefits Change.—The Minister of Health has made a provisional Regulation amending Part 1 of the second schedule to the National Health Insurance (Medical Benefit) Regulations, 1936, so as to make available hypodermic needles and syringes for the self-administration of adrenaline, and to enable oiled artificial silk to be used in place of oiled silk as a protective.

Lancashire.—Returns placed before the Prescription Bureau on April 16, showed, that in 1942, 2,437,984 prescriptions were submitted from the ten affiliated authorities against 2,338,975 in 1941 and 2,579,019 in 1940. The respective total costs were: 1942: Prescriptions, £111,767; dispensing, £53,531; ingredients, £58,236; 1941: £106,065, £44,922, £61,142; 1940: £104,433 £47,456, and £56,977. Average total costs per prescription were 11d., 10·88d. and 9·72d., and average costs per insured person 54·51d., 51·69d. and 50d. It was necessary to return 12,773 scripts for various reasons, mainly because statutory requirements had not been complied with; only four were sent back on account of illegible writing.

HEALTH UNIT FOR WEST INDIES.—A large-scale demonstration of the Health Unit system is to be set up in Jamaica. The Health Unit is an organisation that provides a small community with the means of both preventing and curing diseases. Its main functions are health education, ante-natal and maternal care, child welfare, school medical work, prevention of endemic diseases, control of endemic diseases, and sanitation.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils repres the prices for wholesale quantities of standard quality. C.i.f. quotations do not incl marine war risk insurance and other abnormal charges payable in the present emerge

28 Essex Street, W.C.2, April 28

THE markets have reopened after the holiday break on a quiet but steady note and a modest volume of business is recorded. Prices are generally quite firm but without appreciable fluctuation. Business in PHARMACEUTICAL CHEMICALS has continued on the quiet side with several products in short supply and others subject to official control. In the CRUDE DRUGS section a routine request has been experienced, most of the orders coming from the home consuming trades. While this demand can generally be met, shortage of spot supplies of some items, together with a lack of replenishments, makes business extremely difficult. Sumatra BENZOIN is firm at slightly advanced rates. BUCHU continues in keen request but no stocks are yet to be had on spot. Natural grades of CAMPHOR are selling quietly to approved buyers at recently-quoted prices. CARDAMOMS are without quotable change on the week. Mombasa CHILLIES seems to be the only variety offered at present. Zanzibar CLOVES are one penny per lb. dearer on the week. A parcel of low-testing HENBANE may be had on spot at a very moderate price. IPECACUANHA is extremely firm and in good demand. PIMENTO is fractionally dearer on spot. Little of interest has occurred in SEEDS and previous prices are repeated. No supplies of SENEGA are available to meet the continued demand. The Minister of Food has accepted the recommendations of the Combined Food Board on the allocation of certain SPICES (cinnamon, mace, nutmeg and pimento) available from British Empire sources. No changes have occurred in the current rates for the principal medium grades of TRAGACANTH. Only a limited volume of business has been transacted in ESSENTIAL OILS, but the general tone remains fairly steady. Many items in this section are in short supply with replacements out of the question under present conditions. Very little ANISE (STAR) is being offered. Some English CEDARWOOD may be had on spot. CITRONELLA continues in request. Limited supplies of GINGERGRASS may be obtained from dealers. PEPPERMINT remains in meagre supply and high prices would be required. FIXED OILS are unchanged.

Pharmaceutical Chemicals

ALLOBARBITONE.—Makers quote at appr mately 64s. per lb.

AMPHETAMINE.—Makers' price is steady about 160s. per lb.

ASPIRIN.—Makers quote the following r per lb. in quantities of 1 cwt. (containers brackets): 3s. 5d. (1-lb.); 3s. 4d. (2-l 3s. 3½d. (4-lb.); 3s. 2½d. (7-lb.); 3s. 2d. (14-l 3s. 1½d. (28-lb.). TABLETS.—Makers' prices steady, as follows: Under 5,000, 3s. 5,000, 3s. 3d.; 10,000, 3s. 2d.; 25,000, 50,000, 2s. 11d.; 100,000, 2s. 10d.; 250, 2s. 9½d.; 500,000, 2s. 9d.; 1,000,000, 2s. 2,000,000, 2s. 7d. per 1,000.

BARIUM SULPHATE, B.P. (x-RAY).—Mak quotations per lb. for lots of 28 lb.–1 cwt. (containers in brackets): 1s. 5½d. (1-l 1s. 4d. (4-lb.); 1s. 3d. (7-lb.); 1s. 2½d. (14-l 1s. 2d. (28-lb.).

BISMUTH SALTS.—Makers' current prices lb. for the two leading salts are as follows: C BONATE.—Under 4 lb., 11s. 8d., 4 lb.–8 11s. 2d.; 8 lb.–28 lb., 10s. 5d.; 28 lb.–1 c 9s.; not less than 1-cwt., 8s. 9d. SUBNITRAT Under 4 lb., 10s. 3d.; 4 lb.–8 lb., 9s. 9d.; 8 28 lb., 9s.; 28 lb.–1 cwt., 7s. 10d.; not less t 1 cwt., 7s. 7d.

BORIC ACID.—Makers' prices per ton ar follows: B.P., granulated, £60 15s.; cry £61 15s.; powder, £62 15s. Commercial gr £8 per ton less. Packed in one-cwt. b delivered carriage paid in Great Britain one-ton lots and upwards.

BROMIDES.—Makers' prices for POTASS are as follows:—

Quantity	In parcels of				
	1 lb.	4 lb.	7 lb.	14 lb.	28
	s. d.	s. d.	s. d.	s. d.	s.
From 1 lb. . .	3 9¼	—	—	—	
From 4 lb. . .	3 8¼	3 6¾	—	—	
From 7 lb. . .	3 7¼	3 5¾	3 4¾	—	
From 14 lb.	3 6¼	3 4¾	3 3¾	3 3¼	
From 28 lb.	3 5¼	3 3¾	3 2¾	3 2¼	3

SODIUM, ¾d. per lb. extra; AMMONIUM, 2¾d. per lb. e powder, 2d. per lb. extra. W.D.T.A. packing c applies to packages of less than 1 lb.

CITRIC ACID.—Controlled prices are changed. Details were given in the *C. &* October 24, 1942, p. 433.

CODEINE.—Makers quote 4-oz. lots as foll ALKALOID, 38s. 3d.; PHOSPHATE, 31s. per oz.

GALLIC ACID.—In rather restricted suppl about 8s. to 8s. 3d. per lb.

DINE PREPARATIONS.—Makers' prices per re as follows: POTASSIUM IODIDE, B.P., b., 9s. 3½d.; 28 lb., 9s. 9½d.; 14 lb., 10s. 3d.; 11s. 8½d.; 4 lb., 12s. 1½d.; smaller tities, 12s. 6d. SODIUM IODIDE, B.P., ., 10s. 2½d.; 14 lb., 10s. 8d.; 7 lb., 12s. 4½d.; 12s. 11½d.; smaller quantities, 13s. 8d. FORM POWDER, B.P., 28 lb., 12s. 9½d.; ., 13s. 3d.; 7 lb., 15s. 4½d.; 4 lb., 16s. 1½d.; er quantities, 16s. 10d. IODOFORM CRYS- 2s. per lb. above powder prices. IODINE BLIMED, B.P., 112 lb., 10s. 7½d.; 28 lb., 1½d.; 14 lb., 11s. 7d.; 7 lb., 13s. 3½d.; 13s. 10½d.; smaller quantities, 14s. 6d. s up to and including 7 lb. are net one h; prices for 14 lb. and over are net een days. Lower prices obtain for larger iners.

RCURY IODIDES.—Makers' prices per lb. s follows: RED, less than 7 lb., 20s. 8d.; ss than 7 lb., 20s. 2d.; not less than 14 lb., d. GREEN, less than 7 lb., 28s. 8d.; not han 7 lb., 26s. 2d.; not less than 14 lb., d. YELLOW, less than 7 lb., 28s. 1d.; not han 7 lb., 27s. 7d.; not less than 14 lb., d. net, carriage paid.

OCARPINE.—Following are makers' prices z.: Base, 1 oz., 27s.; 4 oz., 26s. 6d.; ., 26s.; hydrochloride, 1 oz., 21s. 3d.; 20s. 9d.; 25 oz., 20s. 3d.; nitrate, 1 oz., d.; 4 oz., 18s.; 25 oz., 17s. 6d.

TASSIUM NITRATE.—Makers' current prices follows: Powder, B.P., 82s. 6d. per cwt.; ils, B.P., 81s.; granular, 80s. Commercial, lar, 75s.; powder, 76s. Sal prunella, cake, ; balls, large, 102s.; small, 135s.; pea size,

Crude Drugs

AR.—Hardly ever mentioned on the et. Limited supplies of Kobe No. 1 may be or bacteriological use at 65s. to 70s. per lb.

DES.—Firm conditions obtain for Cape, 67s. 6d. per cwt. being asked. Curaçao is eing offered.

TIMONY.—English minimum 99 per cent. is is quoted at £120 per ton, delivered; cent. crude, for the home trade, £100 per delivered.

LSAMS.—*Tolu*, in small supply on spot, at 10s. 3d. per lb. *Canada*, short, price er lb. if available. *Peru*, steady on spot at l. per lb. *Copaiba*, unobtainable.

LLADONNA.—Indian leaf may be had on at 4s. 9d. to 5s. per lb., according to test. 435s. to 475s. per cwt., according to test.

NZOIN.—Firm at the advance. £22 has paid for Sumatra; £23 is now wanted and inquiry continues. Good seconds, £25 to and pharmaceutical free "almonds," £32 vt., ex store.

MUTH METAL.—No change in the price of rade metal at 6s. 3d. per lb. for minimum lots.

CHU.—Inquiry continues but no spot es are available.

CAMPHOR.—Quiet, prices unchanged. Prices to approved buyers are as follows: Chinese, B.P., spot, 11s. 6d. per lb.; crude, 92 per cent., 10s.; Japanese slabs, 12s. English synthetic may be had by approved buyers at 8s. per lb.

CARDAMOMS.—Current prices are as follows: Aleppy seed, spot, 6s. 6d. per lb.; shipment, 6s. 9d., c.i.f.; Aleppy greens, spot, 5s. 6d.; shipment, 5s. 9d.; split seed, spot, 5s. 3d. to 5s. 6d. per lb.

CHILLIES.—Mombasa may be had on spot at 100s. per cwt.; no other varieties are offered.

CLOVES.—Zanzibar, spot, dearer by one penny per lb. at 1s. 6½d.; to arrive, second grade, 1s. per lb., c.i.f.

COCOA BUTTER.—Ministry of Food Order fixes the maximum price at 1s. 5½d. per lb., ex factory or warehouse, except when sold under licence.

COCONUT (DESICCATED).—Maximum price fixed by Ministry of Food Order is 49s. per cwt.

DIGITALIS LEAVES.—Portuguese leaves, spot, 135s. per cwt.; English-grown leaves, 2s. 5d. to 2s. 6d. per lb.

ELEMI.—Quotations for No. 1 gum are unchanged at 300s. per cwt.

ERGOT.—Inquiry maintained, with up to 5s. per lb. paid for slightly dusty material, and more available at this price.

GINGER.—The final forecast report on the ginger crop in the Madras Province for 1942 ("Indian Trade Journal") states that the area under ginger in 1942 is estimated at 11,500 acres in Malabar and at 400 acres in South Kanara, as against the actual area of 11,248 acres in Malabar and 338 acres in South Kanara in the previous year. In Malabar, the crop is reported to have been affected in parts by soft-rot disease. The seasonal factor is estimated at 95 per cent. of the normal in Malabar and 100 per cent. in South Kanara, as against 100 per cent. in both the districts in the previous year. On this basis, the total yield is estimated at 4,040 tons of dry ginger (3,900 tons in Malabar and 140 tons in South Kanara), as against 4,360 tons in the previous year (4,150 tons in Malabar and 210 tons in South Kanara).

HENBANE.—Some East Indian low-testing is offered on spot at 200s. per cwt.

IPECACUANHA.—Firm at unchanged prices. Matto Grosso, spot, 21s. 6d. per lb. Minas, under B.P. standard, 17s. 6d. per lb., ex store. Current prices of EXT. IPECAC. LIQ. are as follows: Winchesters, B.P., 1932, under three, 30s. 6d. per lb.; three and under six, 30s.; six and under twelve, 27s. 6d.; twelve and over, 28s. B.P., 1914, under three, 28s. 6d.; three and under six, 28s.; six and under twelve, 27s. 6d.; twelve and over, 27s. per lb.; all prices quoted are on a net basis.

JABORANDI.—Small spot supplies may be had from dealers at 60s. per cwt.

JALAP.—Brazilian root, 16 per cent. resin, is offered on spot at 105s. per cwt., and 13 per cent. at 90s.

KAMALA.—Spot, 5 per cent. ash, 2s. per lb.

MENTHOL.—Slightly firmer, with more inquiry. Sellers are generally asking 77s. 6d. per lb., ex store.

MYRRH.—Unchanged. Aden sorts, spot, £18 to £20 per cwt., according to quality.

NUTMEGS.—West Indian, wormy and broken, offered on spot at 1s. 6d. per lb.; sound unassorted, 1s. 9d.

NUX VOMICA.—Cochin, washed and garbled, spot, 42s. 6d. per cwt., ex warehouse Glasgow; Cocanada, spot, 37s. 6d. per cwt., also ex warehouse Glasgow.

ORANGE PEEL.—Bitter quarters are unchanged at 3s. 3d. per lb. on spot.

PAPAIN.—Spot, nominal at 17s. 6d. per lb.

PEPPERS.—Maximum prices of whole, not picked over or cleaned, on sale to processors are 1s. 4d. per lb. for white, and 1s. per lb. for black, both duty paid.

PIMENTO.—Fractionally dearer. Spot, 1s. 9½d. per lb., sellers.

PSYLLIUM SEED.—Indian seed is offered on spot at 1s. 3d. per lb., ex store.

RHUBARB.—Fair inquiry has been experienced for spot rough-round, the price of which would be 7s. 9d. to 8s. per lb.

SEEDS.—Little business going on; prices unchanged. CORIANDER.—Indian, 82s. 6d. per cwt. CUMIN.—Maltese, spot, 135s.; Indian, 125s.; English, 150s. DILL.—Spot, quoted at 180s. FENNEL.—Indian, a little available at 100s. to 110s. FENUGREEK.—90s. MUSTARD.—Controlled (see *C. & D.*, November 28, 1942, p. 566).

SENEGA.—In request, but no supplies are available.

SENNA.—No change in position or prices. Tinnevelly No. 1, 9d. to 10d. per lb.; No. 2, 7d. to 7½d.; No. 3, 5½d. to 6d. Alexandrian broken, 1s. 3d. to 1s. 4d. Good hand-picked Tinnevelly pods, 11d. to 1s. 2d.; ordinary grade, 10d. to 11d.; manufacturing, 6d. to 7½d. Hand-picked Alexandrian pods, 3s. 6d. to 6s., according to quality.

SQUILL.—Portuguese, spot, 95s. per cwt.; Indian, spot, 75s.

TRAGACANTH.—Current rates for the principal medium grades are as follows: No. 1, white, £130 per cwt.; No. 2, white, £115; No. 3, white, £102; No. 4, white, £83; pale leaf, £73; amber leaf, £65; dark amber, £50; brown leaf, £45; red-and-brown leaf, £38; red leaf, from £32; light hoggy, from £17; woody and dark hoggy, £12.

TURMERIC.—Madras finger, sound-quality, spot, 60s. per cwt.; wormy, 57s. 6d.

VALERIAN ROOT.—Spot supplies of Indian root may be had at 105s. per cwt., ex store.

WAXES.—Steady at previously-quoted rates. CARNAUBA.—Fatty grey and chalky grey, spot, both quoted at 430s. per cwt.; Primeira, 520s., nominal. BEES'.—Supplied only through the Association of Merchant Distributors of Beeswax.

Essential and Expressed Oil

ANISE (STAR).—Supplies of genuine oil difficult to locate. The value of any drums spot would be 54s. per lb., ex store.

BAY.—About 12s. 6d. per lb. would repres the present spot price of small supplies.

BOIS DE ROSE.—Steady on spot at appro mately 47s. per lb.

CAJUPUT.—The price of any available sm spot supplies would be about 17s. 6d. per lb

CASTOR.—Controlled prices for bulk supp are as follows: "Firsts," £72 per ton; "secon £70 per ton, naked ex works.

CEDARWOOD.—English oil may be obtai on spot at around 16s. per lb.

CHAULMOOGRA.—*Hydnocarpus* oil, 1s. 3d. lb., in bond Liverpool.

CINNAMON LEAF.—Small spot supplies n be had from dealers at about 15s. per lb.

CITRONELLA.—Supplies are not plentiful, demand continues good. Java, spot, 22s. 24s. per lb.; Ceylon, 19s. to 20s.

CLOVE.—English distillers' prices remain about 14s. per lb., but rather less would taken for larger quantities.

COTTONSEED.—Refined deodorised contin to be controlled at £49 per ton, naked ex wor

EUCALYPTUS.—Supplies continue short. available spot lots of 70 to 75 per cent. oil wo fetch about 5s. 6d. per lb.

GINGERGRASS.—Available in small compas spot at about 25s. per lb.

GROUNDNUT.—No change has occurred controlled prices at £48 to £54 per ton, na ex works, according to grade.

LAVENDER.—Good-quality oil, if availabl spot, would cost about 90s. per lb.

LEMONGRASS.—Spot would be worth f about 15s. to 16s. per lb.

LINSEED.—Controlled price of £46 10s. ton for large bulk quantities of crude, na ex works, is unchanged. Distributors' prices ordinary quantities are at rather higher rat

PALMAROSA.—Spot supplies are limi price would be about 32s. 6d. per lb.

PATCHOULI.—Good-quality oil, if availa would be worth about 75s. per lb. on spot.

PENNYROYAL.—In small compass on spo around 40s. per lb.

PEPPERMINT.—About 90s. per lb. w generally be asked for Chinese or Japa oils, but spot supplies are difficult to find.

PETITGRAIN.—Small lots from dealers w cost about 25s. per lb.

RAPESEED.—Crude is controlled at £54 ton, naked ex works.

ROSEMARY.—Spot, if available, about per lb.

SPEARMINT.—Spot, about 40s. per lb available.

THYME.—High-quality, on spot, is value about 25s. per lb., but lower-phenol-contai oils would be cheaper.

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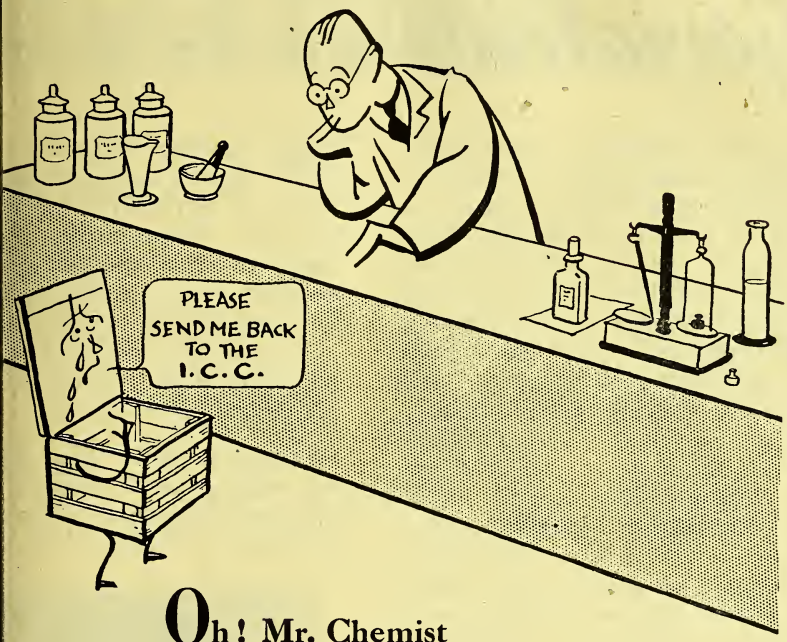

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(*B.M.J., Dec. 13, 1941, p. 839*)

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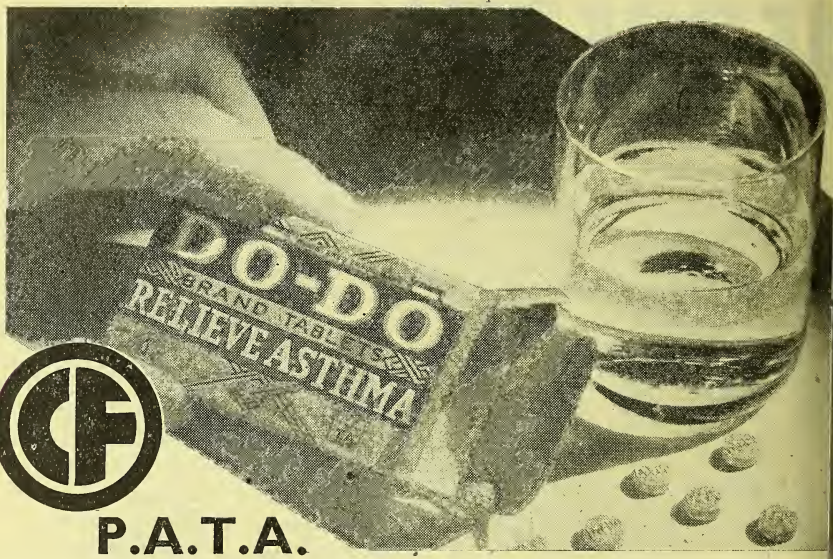

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CHEMISTS for retail and manufacturing cos and Pharmaceutical, required London, £8 and bonus. State experience. CDB/158, Lo Office of this Paper.

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QUALIFIED Lady or Gentleman required fo established Business in country town 20 from London. Apply stating salary require particulars. 431/828, London Office of this Pa

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WANTED, Single-punch Tablet Machine, if possible complete with motor. 432/836, London Office of shis Paper.

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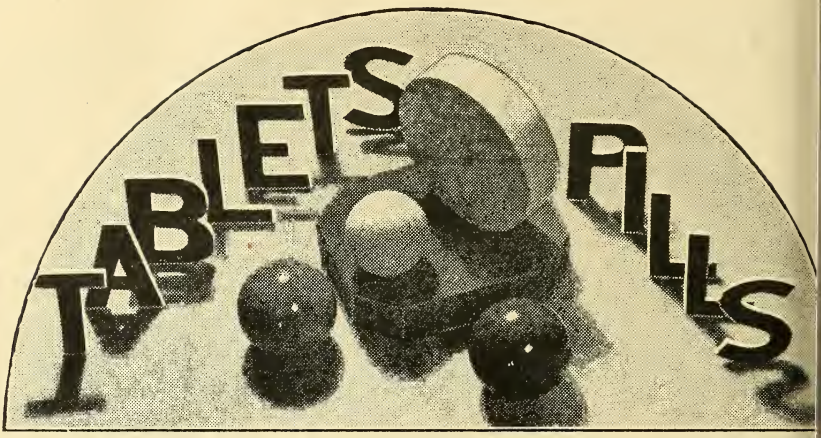

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